

Welcome.java - Notepad

File Edit Format View Help

```
import java.util.Scanner;
public class Welcome{
public static void main (String[]args){
Scanner input=new Scanner(System.in);
System.out.println("Enter name");
String n=input.nextLine();
System.out.println("enter Id");
int num=input.nextInt();
System.out.println("enter course name");
String course=input.next();
}
}
```

hat's New

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Lab_2310_Final.pdf

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ritaj.birzeit.edu/bzu-msgs/attach/2669338/Lab_2310_Final.pdf

_2310_Final.pdf

C:\Windows\System32\cmd.exe

Microsoft Windows [Version 10.0.19044.3324]
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C:\Users\user\Desktop>javac Welcome.java

C:\Users\user\Desktop>java Welcome

name: sondos

ID:123

course name: JAVA

section 1

C:\Users\user\Desktop>

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C:\Users\user\Desktop>java Welcome

Enter name
sondos\
enter Id
123
enter course name
java

C:\Users\user\Desktop>javac Welcome.java

C:\Users\user\Desktop>java Welcome

Enter name
son
enter Id
1234
enter course name
java

C:\Users\user\Desktop>

*Welcome.java - Notepad

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```
import java.util.Scanner;
public class Welcome{
public static void main (String[]args){
Scanner input=new Scanner(System.in);
int i=0;
for(i=0;i<10;i++){
System.out.printf("enter number %d", (i+1));
int num=input.nextInt();
}
}
}
```

1.3 Activities

- **Activity 1:** Write a program that displays **Welcome to Java, Welcome to Computer Science, and Programming is fun.**
- **Activity 2:** Write a program that displays the area and perimeter of a rectangle with a width of **5.5** and a height of **4.3** using the following formula:

$$\text{area} = \text{width} * \text{height}$$

- **Activity 3:** Assume that a runner runs **10 kilometers** in **25 minutes and 30 seconds**. Write a program that displays the average speed in miles per hour. (*Note 1 mile is equal to 1.6 kilometers.*)
- **Activity 4:** Write a program that prompts the user to enter the *width* and *height* of a rectangle and displays the perimeter and the area. Here is a sample run:

Enter the width of a rectangle: **3**

Enter the height of a rectangle: **4**

The perimeter is **14**

The area is **12**

- **Activity 5:** Write a program that reads a *Celsius* degree in a double value from the console, then converts it to *Fahrenheit*, and displays the result. The formula for the conversion is as follows:

$$\text{fahrenheit} = (9 / 5) * \text{celsius} + 32$$

Hint: In Java, 9 / 5 is 1, but 9.0 / 5 is 1.8.

- To become familiar
- To become familiar

```
Area.java - Notepad
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public class Area{
public static void main (String[]args){
double len=5.5,wid=4.3;
System.out.println("length of the rectangle is 5.5");
System.out.println("Width of the rectangle is 4.3");
double area=len * wid;
System.out.printf("Area is %f",area);
}
}
```

Activities

Q2

```
What's New x Lab 2310 Final.pdf x
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C:\Users\user\Desktop>javac Area.java

C:\Users\user\Desktop>java Area
length of the rectangle is 5.5
Width of the rectangle is 4.3
Area is 23.650000
C:\Users\user\Desktop>
```

Activities

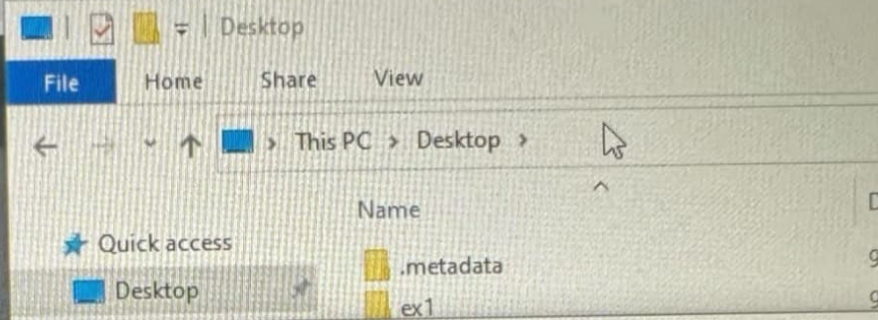
Q3

Me.java - Notepad

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```
public class Me {  
    public static void main (String[]args){  
        double speed,dis=10,hours=25.5/60;  
        speed=dis/hours;  
        System.out.println("average speed in km per hour="+speed);  
        speed=speed/1.6;  
        System.out.println("average speed in mile per hour= "+speed);  
    }  
}
```

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C:\Users\user\Desktop>javac Me.java

C:\Users\user\Desktop>java Me
average speed in km per hour=23.529411764705884
average speed in mile per hour= 14.705882352941178

C:\Users\user\Desktop>_

Area2.java - Notepad

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```
import java.util.Scanner;
public class Area2{
public static void main (String[]args){
Scanner input=new Scanner(System.in);
System.out.println("Enter the width");
double len=input.nextDouble();
System.out.println("Enter the length");
double wid=input.nextDouble();
double area=len * wid;
System.out.printf("Area is %f",area);
}
}
```

Activities

Q4

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C:\Users\user\Desktop>javac Area2.java

C:\Users\user\Desktop>java Area2

Enter the width

3

Enter the length

6.5

Area is 19.500000

C:\Users\user\Desktop>

Lab1.java - Notepad

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```
import java.util.Scanner;
public class Lab1{
public static void main(String [] args){
Scanner in = new Scanner(System.in);
System.out.println( " enter the degree in c : " );
int degree = in.nextInt() ;
double fah= (9.0/5) * degree + 32;
System.out.println(fah);

}
}
```

Activities

Q5

```
C:\Users\user\Desktop>
C:\Users\user\Desktop>javac Lab1.java
C:\Users\user\Desktop>Lab1.java
C:\Users\user\Desktop>java Lab1
23.65
19.6
C:\Users\user\Desktop>javac Lab1.java
C:\Users\user\Desktop>java Lab1
14.705882352941178
C:\Users\user\Desktop>javac Lab1.java
C:\Users\user\Desktop>java Lab1
enter the width :
2
enter the height :
3
6.0
C:\Users\user\Desktop>javac Lab1.java
C:\Users\user\Desktop>java Lab1
enter the degree in c :
37
98.60000000000001
C:\Users\user\Desktop>
```