



Department of Computer Science

COMP 133 - Quiz 3 - Section 3 - Instructor : Ahmed Sabbah

Student Name:

Student ID:

Q1) Which is the incorrect form of a variable? -----2. pt

A) Name	B) Final_Salary	C) Int	D) 120_Salary
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Q2) Switch statement checks only _____ condition. -----2 .pt

A) Greater than	B) Less than	C) Equality	D) All of above
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Q3) `int x [5] = { 15 ,22 ,39 ,50 ,21 };` -----2.pt

`int s = x[5%2] + x[5/2];`

A) 78	B) 39	C) 61	D) none of the above
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Q4) `int fun (int x)` ----- 2.pt

```
{
    if (x)
        return 2 + fun(x - 1);
    else
        return 1;
}
```

`int x = 3;`

`printf("%d", fun(x));`

A) 7	B) 4	C) 3	D) none of the above
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Q5) `char s1[10] = "hello"; char s2[10]= "bye"; char s3[20];` -----2.pt

`strncpy(s3, s1, 2);`

`s3[2] = s2[3];`

`printf("%d", strlen(s3));`

A) 3	B) 2	C) 4	D) none of the above
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Q6) `char ar[10] = "Hello";` -----2.pt

```
char *ptr;
ptr=ar;
printf("%c",*(ptr+1));
```

A) ello	B) h	C) Hello	D) e
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Q7) The return value for the function `strcmp("ahmad","ahlam")` is: -----2.pt

A) Greater than 0	B) Less than 0	C) 0	D) none of the above
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Q8) `int x;` -----2.pt

```
for(x=5;x>1;x+=2)
if(x%2)
{
x = -10;
}
printf("%d ",x);
```

A) 7	B) -7	C) -8	D) -10
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9) `int x = 0;` -----2.pt

```
if (x == 1)
if (x >= 0)
printf("true\n");
else
printf("false\n");
```

A) true	B) false	C) Compiler Error	D) No print
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Q10) `int x=40 ; y=30 ; z=80 ; -----2.pt`
`if(x<y<z)`
`printf("\n Hello");`
`else`
`printf("\nGood");`

A) syntax error	B) Hello	C) Compiler Error	D) Good
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Answer Sheet

1	2	3	4	5	6	7	8	9	10
D	C	C	A	B	D	A	C	D	A

Q11) What are the values in array ar after the execution of the following loop -----5.pt

```
int main ()
{
int ar[2][5]={1,2,3,4,5,6,7,8,9,10};
int j, temp1, temp2;
for (j = 0; j < 5; j++)
{
if (j % 2)
{
temp1 = ar[0][j];
temp2 = ar[1][j];
ar[1][j] = temp1;
ar[0][j] = temp2;
}
}
}
```

1	7	3	9	5
6	2	8	4	10

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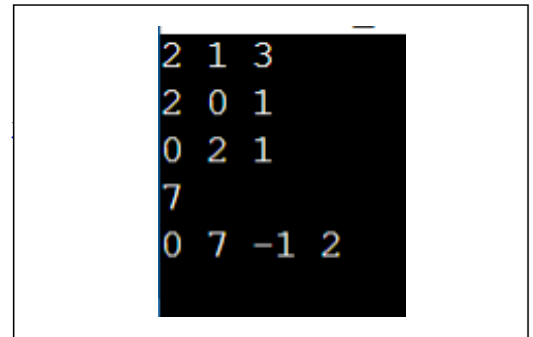
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Q12) Write the output for the following program in the specified box -----15.pt

```
#include <stdio.h>
int n = 1;
int mystery(int, int*);
void wow(int, int *, int *);
int main()
{
    int a = 2, b = 3, c = 1;
    int *x ;
    x= &b;
    printf("%d %d %d\n",a,c,b);
    wow (c, &b, &a);
    printf("%d %d %d\n",a,b,c);
    printf("%d\n", mystery(b, &c));
    printf("%d %d %d %d\n",a,b+n,c,*x);
    return 0;
}
int mystery (int a, int *m)
{
    n= a + *m;
    n += a;
    *m = a - 3;
    return (a + n + *m+1);
}
void wow ( int x, int *a, int *m)
{
    *a = x * 2;
    *m -= *a;
    x++;
    printf("%d %d %d\n" ,*a, *m, n);
}
```



```
2 1 3
2 0 1
0 2 1
7
0 7 -1 2
```