

```
#include <stdio.h>
#include <stdlib.h>
```

```
int main()
```

```
{ int x,y;
```

```
printf("enter the first number\n");
```

```
scanf("%d",&x);
```

```
printf("enter the second number\n");
```

```
scanf("%d",&y);
```

```
while (! (y%x==0)) {
```

```
printf("enter the first number\n");
```

```
scanf("%d",&x);
```

```
printf("enter the second number\n");
```

```
scanf("%d",&y);
```

```
}
```

```
return 0;
```

```
}
```

Q3 P25

3. Write a program which will read pairs of integers from the user in a loop. Each time it reads a new pair, it checks if the first integer divides the second (second integer % first integer = 0). When the program reads such a pair it will exit the loop.

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