QUESTION:-1

```
#include<stdio.h>
int main()
{
  int number, i, sum=0;
  for(i=0;i<=10;i++)
  {
    printf("Enter number: ");
    scanf("%d",&number);
    if ( number<0 )
     break;
    sum =sum+ number;
  }
  printf("Sum=%d",sum);
  return 0;
}
```

OUTPUT:-

```
Enter number: 456

Enter number: 4

Enter number: 6

Enter number: 6

Enter number: -
8

Sum=472
```

QUESTION:-2

```
#include<stdio.h>
int main()
{
  int number, i, sum=0;
  for(i=0;i<=10;i++)
```

```
 {
   printf("Enter number: ");
   scanf("%d",&number);
   if ( number<0 )
    continue;
   sum =sum+ number;
 }
 printf("Sum=%d",sum);
 return 0;
}
```

OUTPUT:

```
Enter number: 3

Enter number: 7

Enter number: -
7

Enter number: 88

Enter number: 4

Enter number: 9

Enter number: 34

Enter number: 7

Enter number: -3

Enter number: 9

Enter number: 09

Sum=170
```

QUESTION:-3

```
#include<stdio.h>
int main()
{
  int number, i;
```

```
 for(i=0;i <=1;i++)
 {
   printf("Enter a number: ");
    i--;
   scanf("%d",&number);
   if( number==0)
    break;
 }
 printf("you entered 0");
 return 0;
}
```

OUTPUT:

```
Enter a number: 7

Enter a number: 8

Enter a number: 0

you entered 0
```

QUESTION:-4

```
#include <stdio.h>
int main() {
   int n, i, flag = 0;
   printf("Enter a positive integer: ");
   scanf("%d", &n);
  for (i = 2; i <= n / 2; ++i)
{
      if (n % i == 0)
     {
         flag = 1;
         break;
```

```
        }
    }
   if (n == 1) {
        printf("1 is neither prime nor composite.");
    }
    else {
        if (flag == 0)
            printf("%d is a prime number.", n);
        else
            printf("%d is not a prime number.", n);
    }
  return 0;
}
```

OUTPUT:

```
Enter a positive integer: 18

18 is not a prime number.
```

QUESTION:-5

```
#include <stdio.h>
int main()
{
    int i, n, sum;
    for(i=1;i<=10; i=i+2)
    {
        sum =sum+ i;
        if(i>9)
        break;
    }
    printf("Sum of odd numbers = %d", sum);
    return 0;
```

```
}
```

OUTPUT:

Sum of odd numbers = 25

QUESTION:-6

```
#include <stdio.h>
int main() {
    int n, i, flag = 0;
    printf("Enter a positive integer: ");
    scanf("%d", &n);
 for (i = 2; i <= n / 2; ++i)
{
    if (n % i != 0)
     {
          flag = 1;
          continue;
       }
    }
   if (n == 1) {
       printf("1 is neither prime nor composite.");
    }
    else {
       if (flag == 0)
          printf("%d is a prime number.", n);
       else
          printf("%d is not a prime number.", n);
    }
   return 0;
}
```

OUTPUT:-

```
Enter a positive integer: 17

17 is not a prime number.
```

QUESTION:-7

```
#include <stdio.h>
int main()
{
   int i, n, sum;
   for(i=0;i<=100; i=i+2)
   {
      sum =sum+ i;
      if(i>99)
      break;
   }
   printf("Sum of even numbers = %d", sum);
   return 0;
}
```

OUTPUT:

```
Sum of even numbers = 2550
```

QUESTION:-8

```
#include <stdio.h>
int main()
{
 int i=1;
   lab:
         printf("%d ",i);
         i++;
         if(i<=10)
```

```
            goto lab;
        return 0;
}
```

OUTPUT:

```
1 2 3 4 5 6 7 8 9 10
```

QUESTION:-9

```
#include<stdio.h>
int main()
{
  int number, i, sum=0,j=1;
  float avg;
  for(i=0;i<=10;i=i+2)
  {
    printf("Enter number: ");
    scanf("%d",&number);
    j++;
    if ( number<0 )
     break;
    sum =sum+ number;
  }
  avg=sum/j;
  printf("Sum is=%d and averge is =%f",sum,avg);
  return 0;
}
```

OUTPUT:

```
Enter number: 8

Enter number: 9
```

```
Enter number: 18

Enter number: 6

Enter number: 0

Enter number: 56

Sum is=97 and averge is =13.000000
```

QUESTION:-10

```
#include <stdio.h>
void main()
{
   int num;
  printf("Enter a number\n");
   scanf("%d", &num);
  if (num % 2 == 0)
      goto even;
   else
      goto odd;
even:
   printf("%d is even\n", num);
   exit(0);
odd:
   printf("%d is odd\n", num);
}
```

OUTPUT:

Enter a number

88

88 is even