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: 5

Enter number: 7

Enter number: 2

Enter number: -
6

Sum=14:
```

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: 1
Enter a number: 2
Enter a number: 3
Enter a number: 5
Enter a number: 6
Enter a number: 34
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: 86

86 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: 1

1 is neither prime nor composite.
```

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: 46
```

```
Enter number: 8

Enter number: 2

Enter number: 7

Enter number: -
4

Sum is=141 and averge is =20.000000
```

QUESTION 10:

```
#include <stdio.h>

#include <stdlib.h>

void main()

{

   int num;

   printf("Enter a number: ");

   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: 67

67 is odd
```

```
Enter a number: 4

4 is even
```