

ASSIGNMENT-6

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;
}
```

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;
}

```

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;
}

```

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;
}

```

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;
}
```

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;
}
```

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;
}
```

QUESTION 8

```
#include <stdio.h>

int main()
{

    int i=1;

    lab:

        printf("%d ",i);

        i++;

        if(i<=10)

            goto lab;

    return 0;
}
```

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;
}

```

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);
}
```