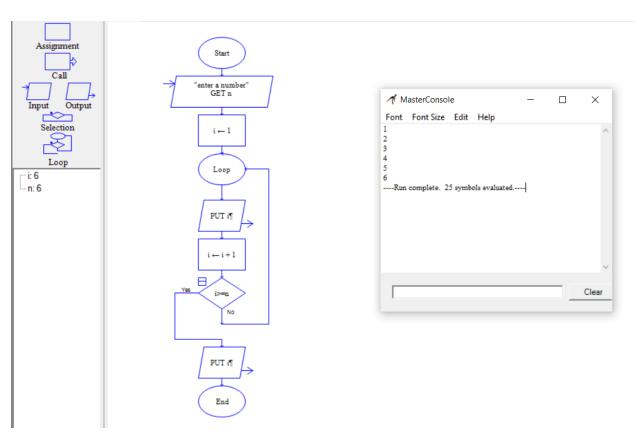
CSA5734-FUNDAMENTALS OF COMPUTING

T.INDU PRIYA 192110486

1. Generation of number series 1, 2, 3, 4,....n.

C PROGRAMMING:

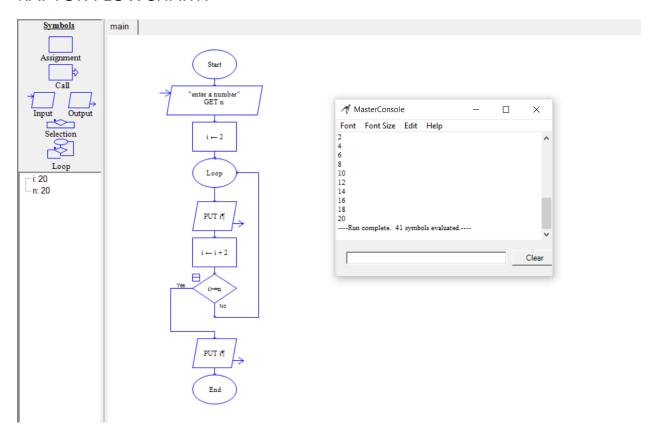
```
1 #include<stdio.h>
                                                ■ C:\Users\indupriya\Documents\number series (C).exe
                                                                                                                 2 int main()
 3 ₽ {
 4
          int n,i;
 5
         printf("enter number");
scanf("%d",&n);
 6
7
          for(i=1;i<=n;i++)
 8 🛱
 9
               printf("%d\n",i);
10
11
          return 0;
```



2.Generation of even number series 2, 4, 6,n .

C PROGRAMMING:

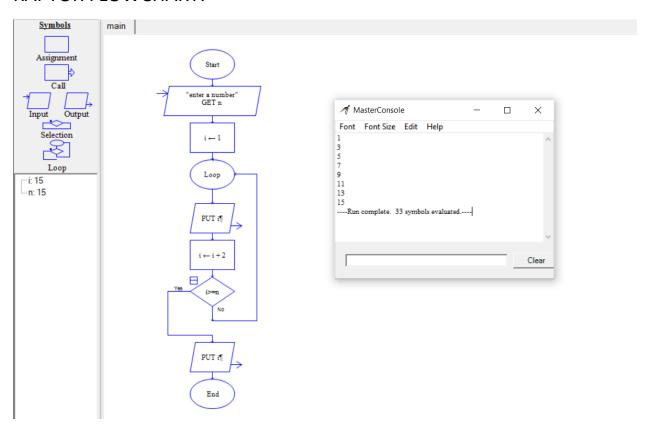
```
1 #include<stdio.h>
                                                            C:\Users\indupriya\Documents\even series (C).exe
                                                                                                                                  2 int main()
 3 ₽ {
          int n,i;
printf("enter the number");
scanf("%d",&n);
 4
5
 6
 7
          for(i=2;i<=n;i+=2)
 8 🖻
9
               printf("%d\n",i);
10
11
          return 0;
12 L }
                                                             ocess exited after 1.877 seconds with return value 0
```



3. Generation of odd number series 1, 3, 5,n.

C PROGRAMMING:





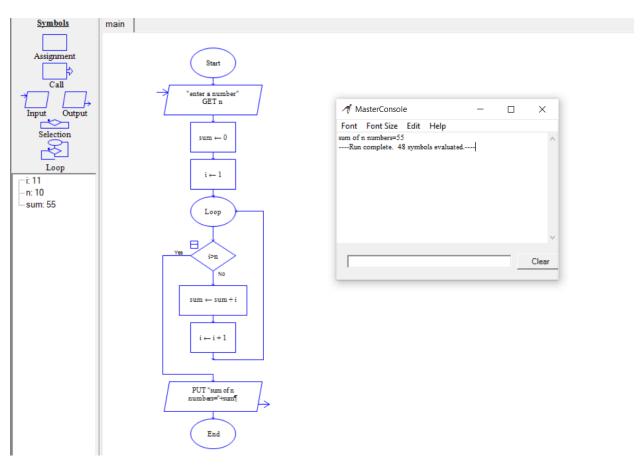
CSA5734-FUNDAMENTALS OF COMPUTING

T.INDU PRIYA 192110486

4. Summing up series 1 + 2 + 3 + 4..... + n.

C PROGRAMMING:

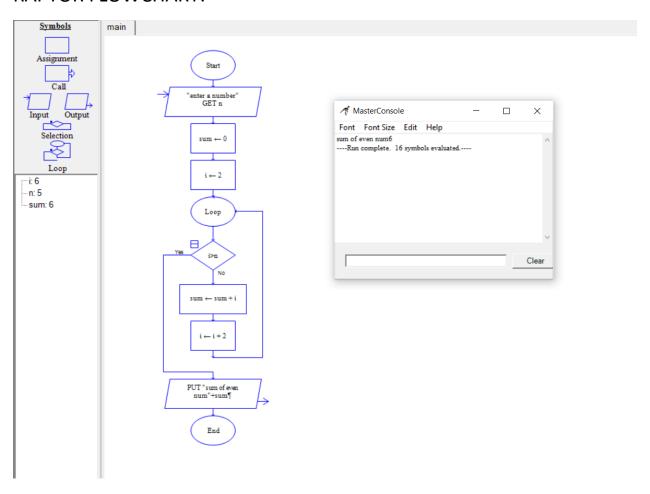
```
1 #include<stdio.h>
 2 int main()
                                                                                 ■ Select C:\Users\indupriya\Documents\sum of number (C).exe
                                                                                                                                                           3 ₽ {
                                                                                enter the number: 100
sum of natural number of 1+2+3...+100=5050
 4
           int n,i,sum=0;
 5
           printf("enter the number: ");
                                                                                 rocess exited after 6.294 seconds with return value 0 ress any key to continue . . .
           scanf("%d",&n);
 6
 7
           for(i=1;i<=n;i++)</pre>
 8 🛱
 9
10
11
           printf("sum of natural number of 1+2+3...+%d=",n);
12
           printf("%d",sum);
```



5. Summing up even number series .

C PROGRAMMING:

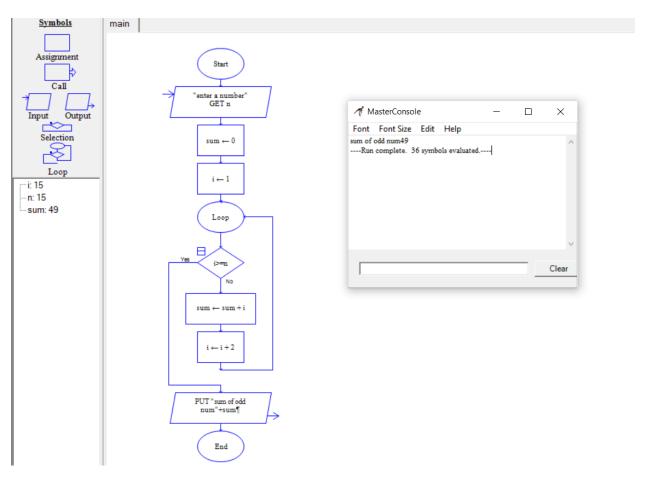
```
1 #include<stdio.h>
    int main()
                                                                                                                                                  C:\Users\indupriva\Documents\sum of even series (C).exe
 3 🛭 {
                                                                             enter number 100
sum of even number of 2+4...+100=2550
 4
           int n,i,sum=0;
           printf("enter number");
scanf("%d",&n);
 5
                                                                             Process exited after 5.365 seconds with return value 0 Press any key to continue . . . .
 6
 7
           for(i=2;i<=n;i+=2)
 8 🗉
 9
                sum+=i;
10
11
           printf("sum of even number of 2+4...+%d=",n);
           printf("%d",sum);
12
13 L
```



6.Summing up odd number series.

C PROGRAMMING:

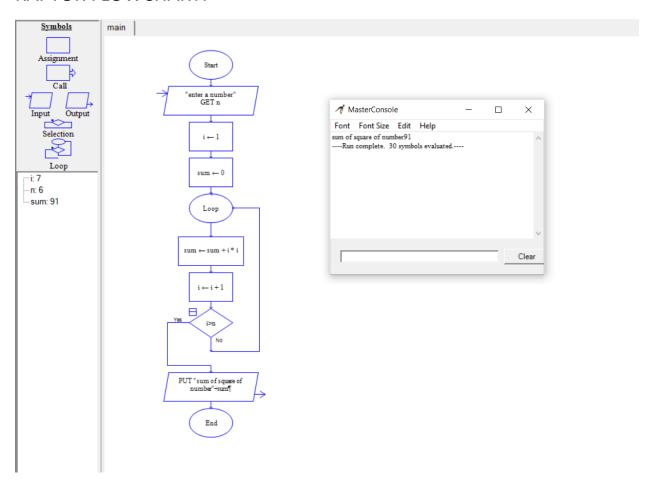
```
#include<stdio.h>
     int main()
                                                                                                                                                              - 🗆
                                                                                ■ C:\Users\indupriya\Documents\sum of odd series (C).exe
3 ₽ {
                                                                                 enter number 35
Sum of odd number of 1+3...+35=324
 4
           int n,i,sum=0;
printf("enter number ");
scanf("%d",&n);
 5
                                                                                 rocess exited after 3.83 seconds with return value 0 ress any key to continue . . . \blacksquare
 6
 7
            for(i=1;i<=n;i+=2)
 8 🛱
9
                 sum+=i;
10
11
           printf("sum of odd number of 1+3...+%d=",n);
12
           printf("%d",sum);
```



7. Summing up square of n number.

C PROGRAMMING:

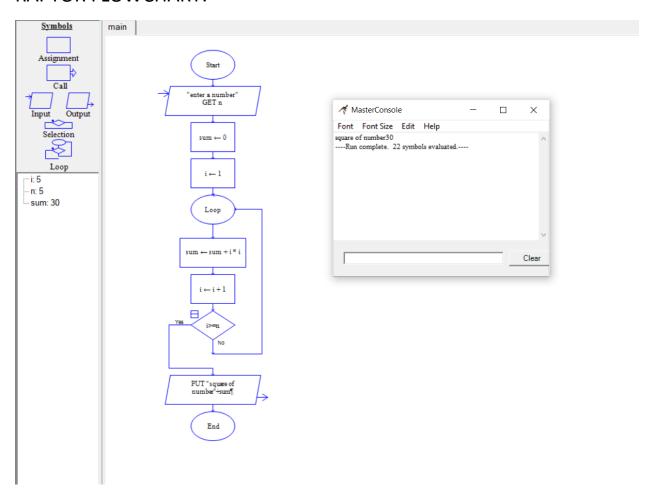
```
#include<stdio.h>
 2
     int main()
 3 ₽ {
                                                                                           C:\Users\indupriya\Documents\sq of numbers (C).exe
           int n,i,sq=0;
printf("enter number ");
scanf("%d",&n);
 4
                                                                                           quare of number of 1*1+2*2...+10*10=385
 5
6
7
                                                                                           rocess exited after 1.265 seconds with return value 0 ress any key to continue . . . .
            for(i=1;i<=n;i++)
 8 ₽
 9
                 sq+=i*i;
10
           printf("square of number of 1*1+2*2...+%d*%d=",n,n);
11
           printf("%d",sq);
12
13 L }
```



8. Summing up square of even number series .

C PROGRAMMING:

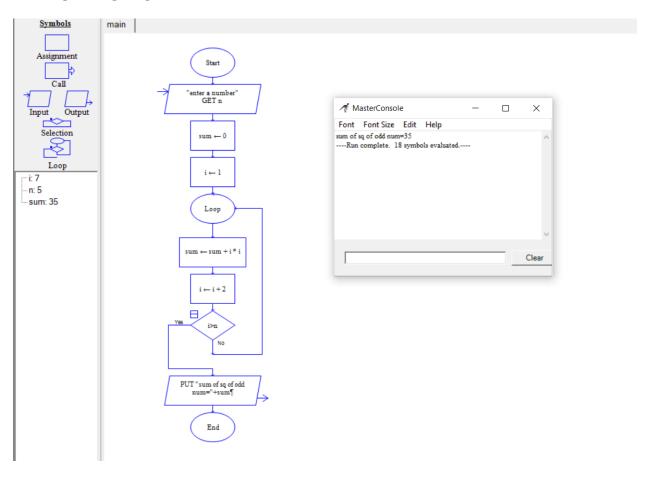
```
#include<stdio.h>
1
     int main()
3 ₽ {
                                                                                              ■ C:\Users\indupriya\Documents\sq of even series (C).exe
                                                                                                                                                                      4
5
           int n,i,sq=0;
           printf("enter number ");
scanf("%d",&n);
                                                                                               uare of even number of 2*2+4*4...+10*10=220
 6
7
                                                                                               rocess exited after 1.009 seconds with return value 0 ress any key to continue . . . .
           for(i=2;i<=n;i+=2)</pre>
 8 🛱
 9
                 sq+=i*i;
10
           printf("square of even number of 2*2+4*4...+%d*%d=",n,n);
printf("%d",sq);
11
12
```



9. Summing up square of odd number series .

C PROGRAMMING:

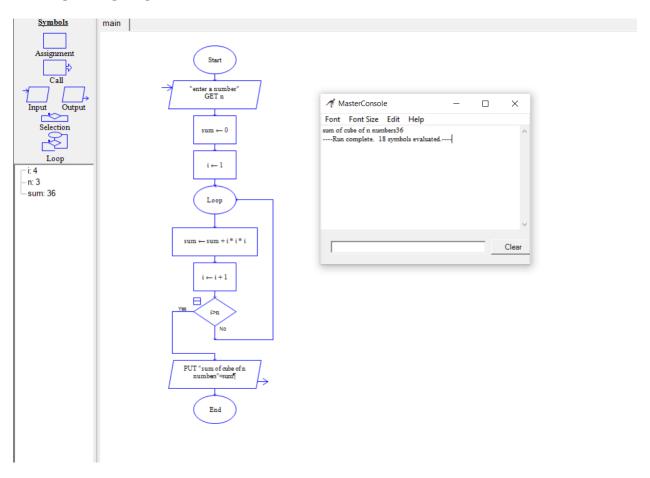
```
#include<stdio.h>
     int main()
                                                                                                                                                              - 🗆
                                                                                 ■ C:\Users\indupriya\Documents\sum of odd series (C).exe
3 ₽ {
                                                                                 enter number 35
Sum of odd number of 1+3...+35=324
           int n,i,sum=0;
printf("enter number ");
scanf("%d",&n);
 4
 5
                                                                                  rocess exited after 3.83 seconds with return value 0 ress any key to continue . . . \blacksquare
 6
 7
            for(i=1;i<=n;i+=2)
 8 🛱
 9
                 sum+=i;
10
           printf("sum of odd number of 1+3...+%d=",n);
11
12
           printf("%d",sum);
```



10. Summing up cubes of n numbers.

C PROGRAMMING:

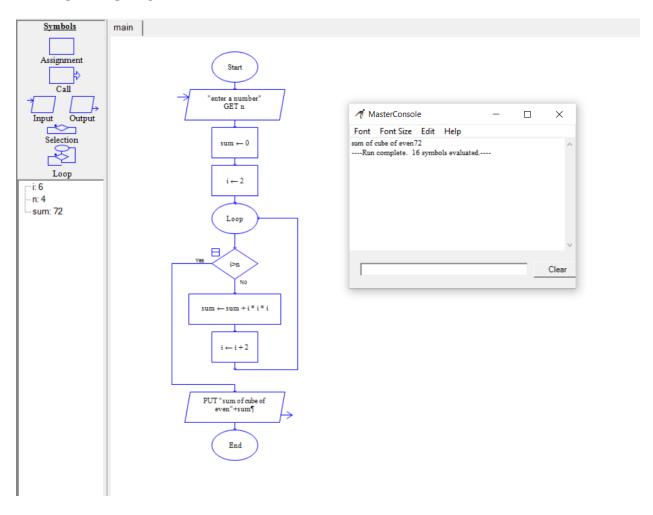
```
#include<stdio.h>
     int main()
3 ₽ {
                                                                                          C:\Users\indupriya\Documents\cube of numbers (C).exe
4
          int n,i,cube=0;
                                                                                          enter number 5
cube of number of 1*1*1+2*2*2...+5*5*5=225
          printf("enter number ");
 6
          scanf("%d",&n);
                                                                                          Process exited after 2.681 seconds with return value 0
Press any key to continue . . .
 7
          for(i=1;i<=n;i++)
8 🖻
9
10
          printf("cube of number of 1*1*1+2*2*2...+%d*%d*%d=",n,n,n);
11
12
          printf("%d",cube);
```



11. Summing up cubes of even number series.

C PROGRAMMING:

```
1 #include<stdio.h>
                            int main()
     3 □ {
4
                                                                 int n,i,cube=0;
printf("enter number ");
scanf("%d",&n);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C:\Users\indupriva\Documents\cube of even series (C).exe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ter number of the control of the con
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ocess exited after 0.879 seconds with return value 0 ess any key to continue . . . _
                                                                  for(i=2;i<=n;i+=2)</pre>
     8 <del>|</del>
                                                                                                cube+=i*i*i;
 10
                                                                 printf("cube of even number of 2*2*2+4*4*4...+%d*%d*%d=",n,n,n);
12
                                                                  printf("%d",cube);
```



12. Summing up cubes of odd number series.

C PROGRAMMING:

```
1 #include<stdio.h>
 2 int main()
 3 ₽ {
                                                                                                   C:\Users\indupriya\Documents\cube of odd series (C).exe
           int n,i,cube=0;
printf("enter number ");
scanf("%d",&n);
 4
                                                                                                    ube of odd number of 1*1*1+3*3*3...+7*7*7=496
 5
 6
                                                                                                    rocess exited after 3.395 seconds with return value 	heta ress any key to continue . . .
 7
           for(i=1;i<=n;i+=2)
 9
                cube+=i*i*i;
10
           printf("cube of odd number of 1*1*1+3*3*3...+%d*%d*%d=",n,n,n);
11
           printf("%d",cube);
12
```

