

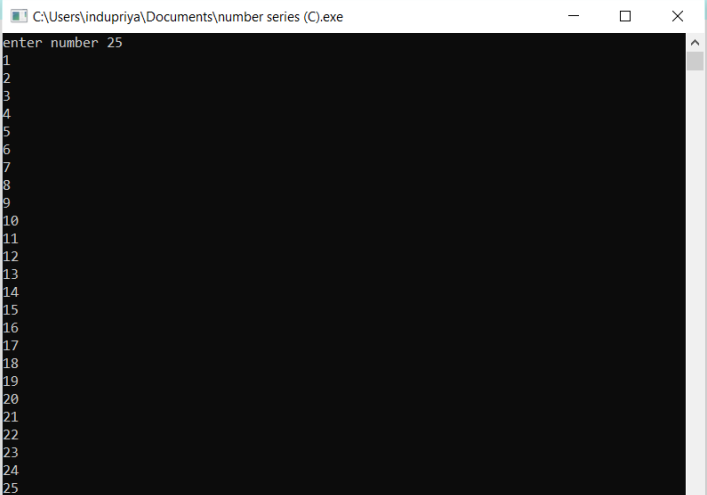
CSA5734-FUNDAMENTALS OF COMPUTING

T.INDU PRIYA
192110486

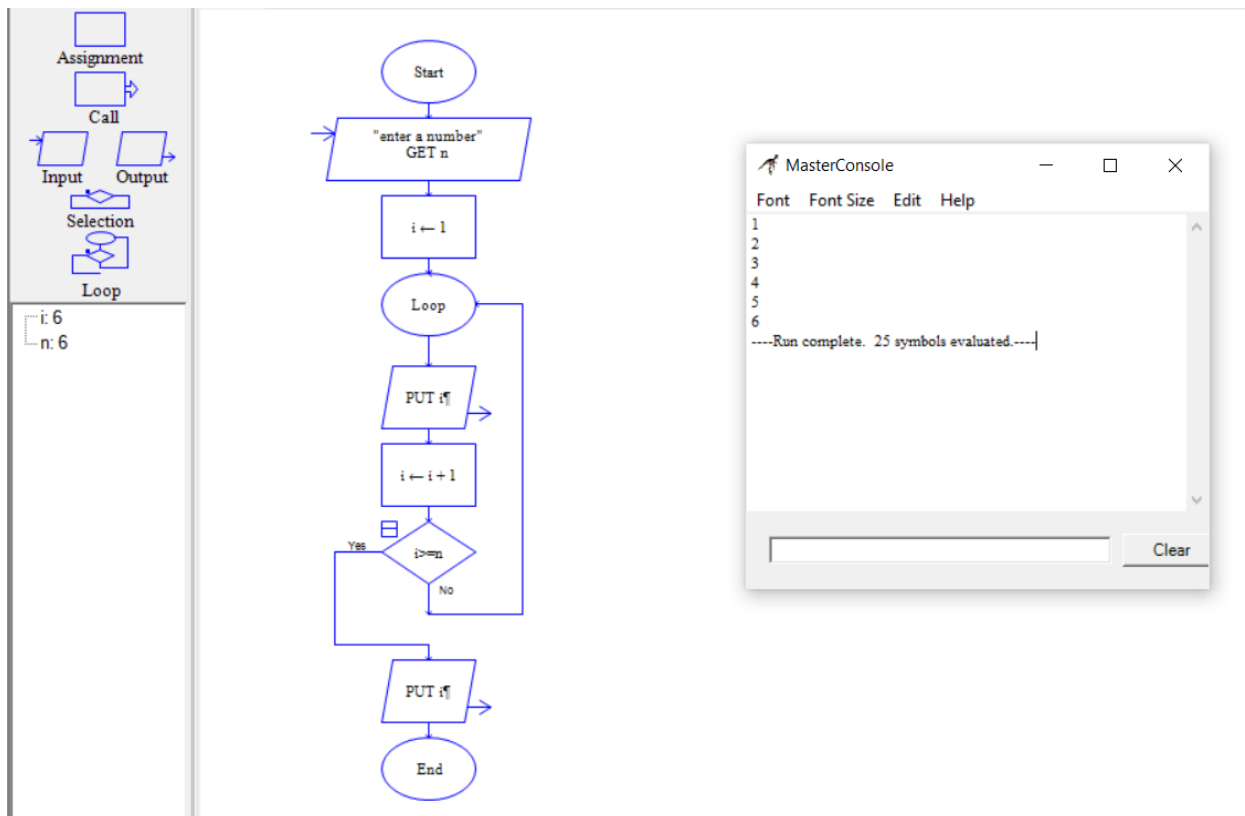
1.Generation of number series 1, 2, 3, 4,.....n .

C PROGRAMMING:

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,i;
5     printf("enter number");
6     scanf("%d",&n);
7     for(i=1;i<=n;i++)
8     {
9         printf("%d\n",i);
10    }
11    return 0;
12 }
```



RAPTOR FLOWCHART:



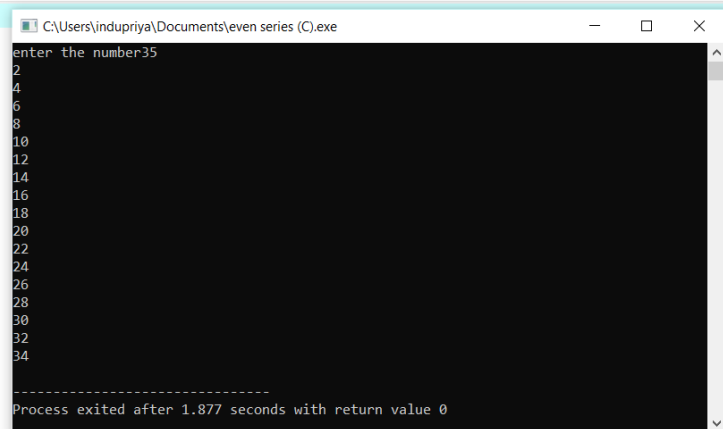
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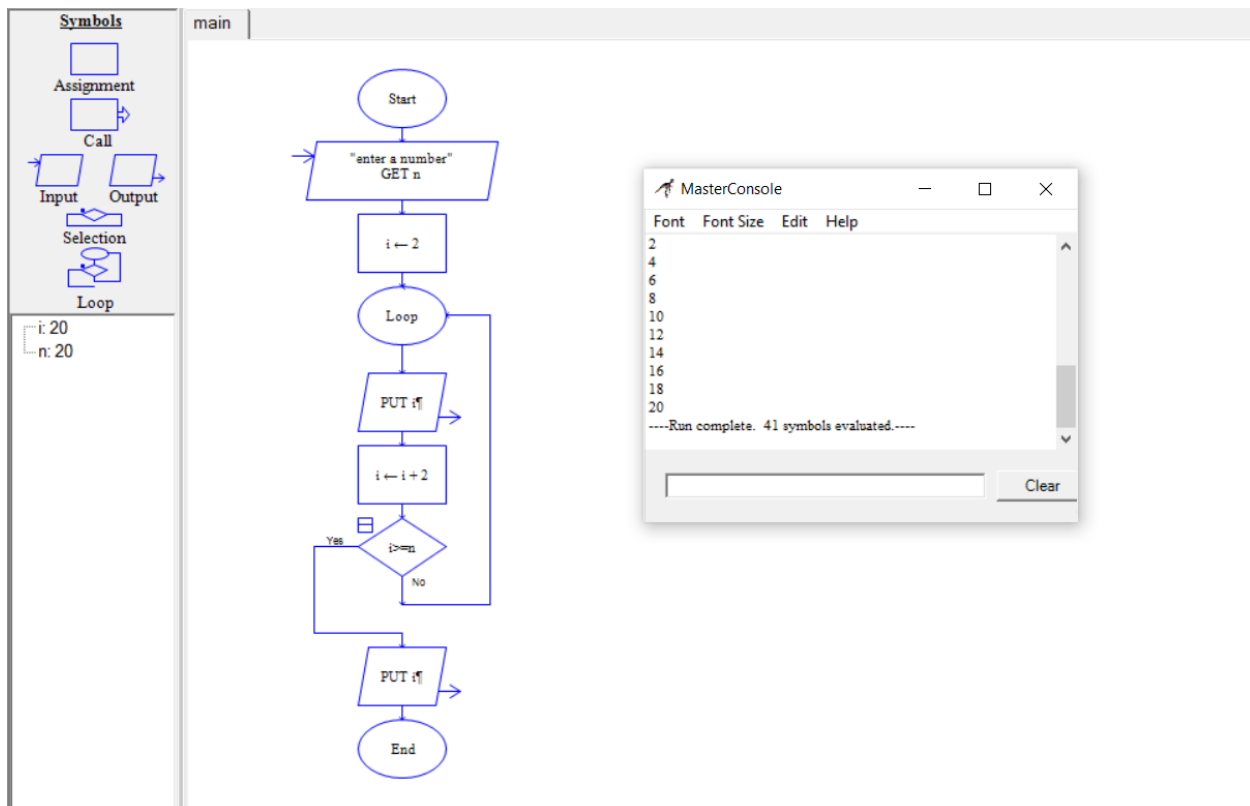
2.Generation of even number series 2, 4, 6,n .

C PROGRAMMING:

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,i;
5     printf("enter the number");
6     scanf("%d",&n);
7     for(i=2;i<=n;i+=2)
8     {
9         printf("%d\n",i);
10    }
11    return 0;
12 }
```



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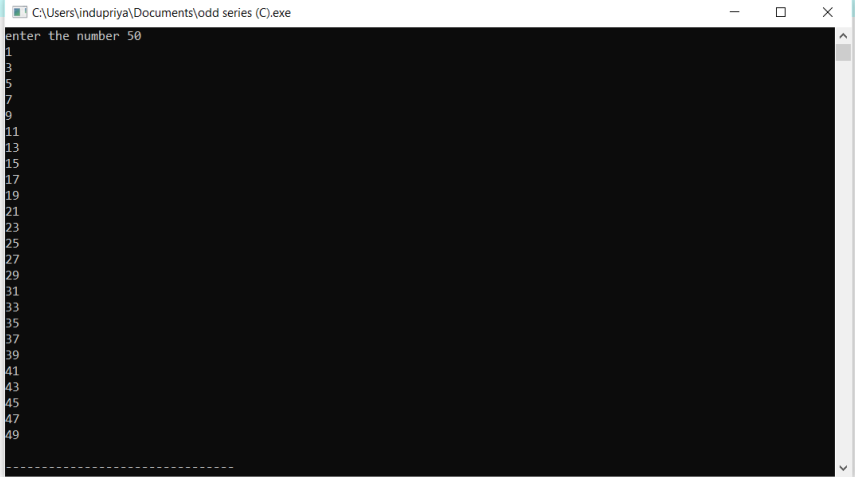
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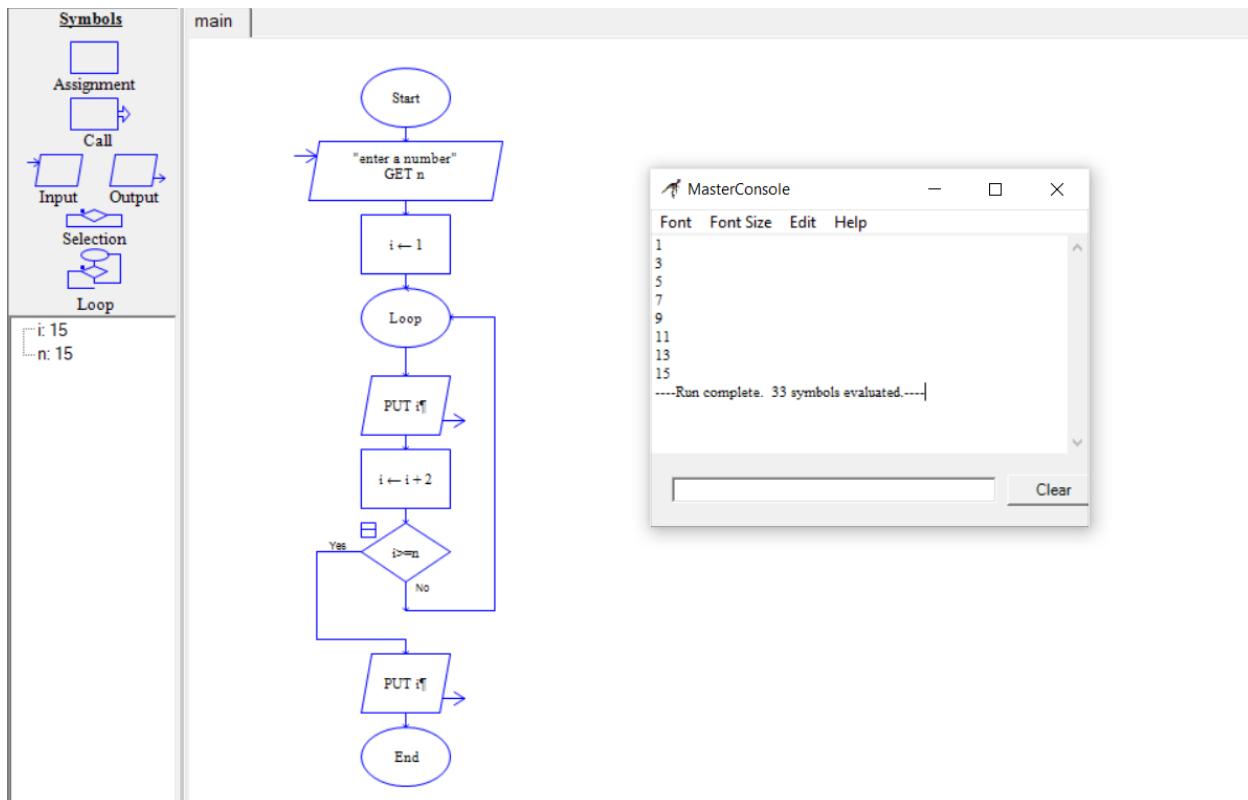
3.Generation of odd number series 1, 3, 5,n .

C PROGRAMMING:

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,i;
5     printf("enter the number");
6     scanf("%d",&n);
7     for(i=1;i<=n;i+=2)
8     {
9         printf("%d\n",i);
10    }
11    return 0;
12 }
```



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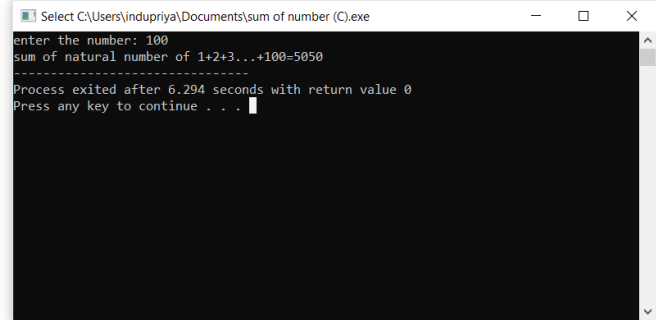
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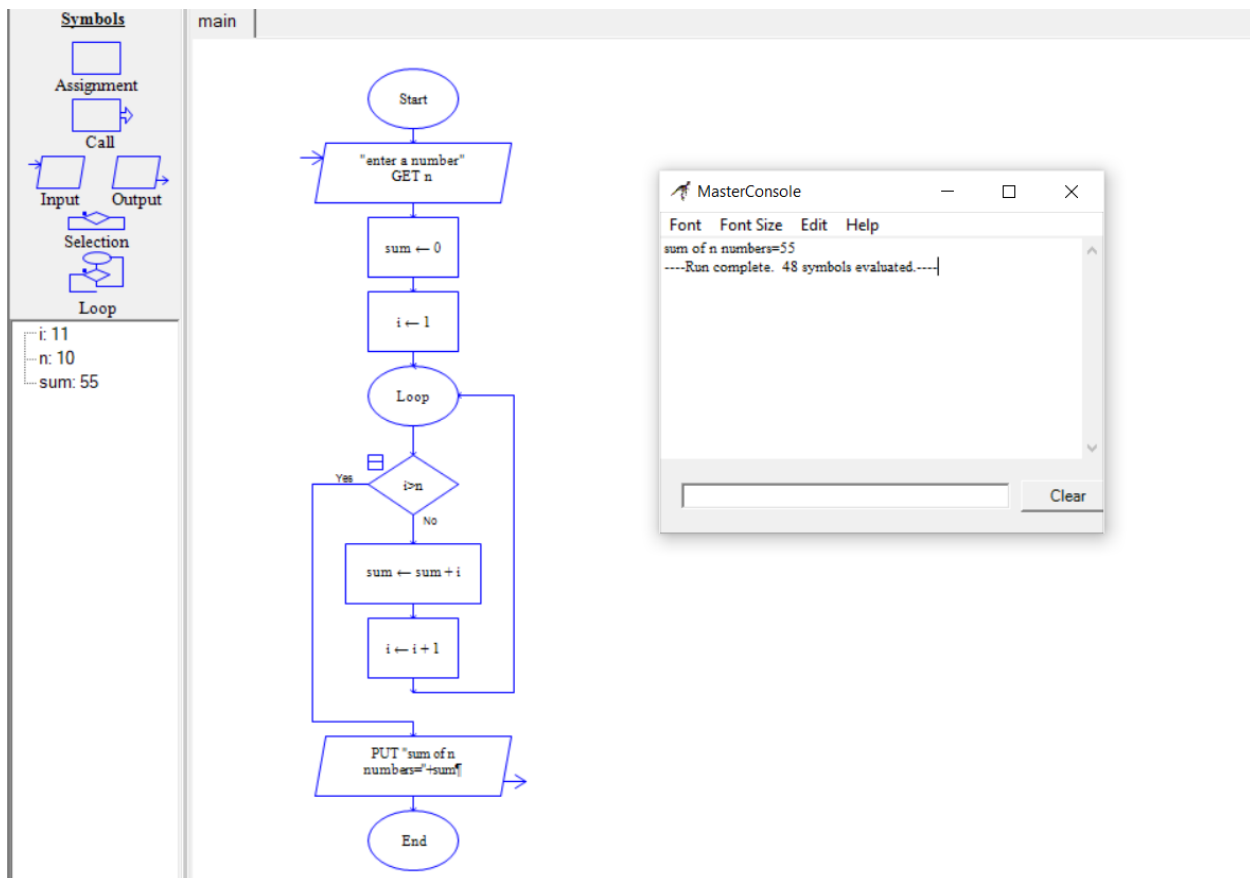
4.Summing up series $1 + 2 + 3 + 4 + \dots + n$.

C PROGRAMMING:

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,i,sum=0;
5     printf("enter the number: ");
6     scanf("%d",&n);
7     for(i=1;i<=n;i++)
8     {
9         sum+=i;
10    }
11    printf("sum of natural number of 1+2+3...+d=",n);
12    printf("%d",sum);
13 }
```



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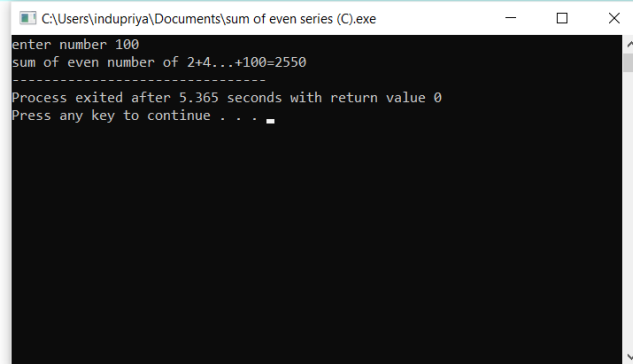
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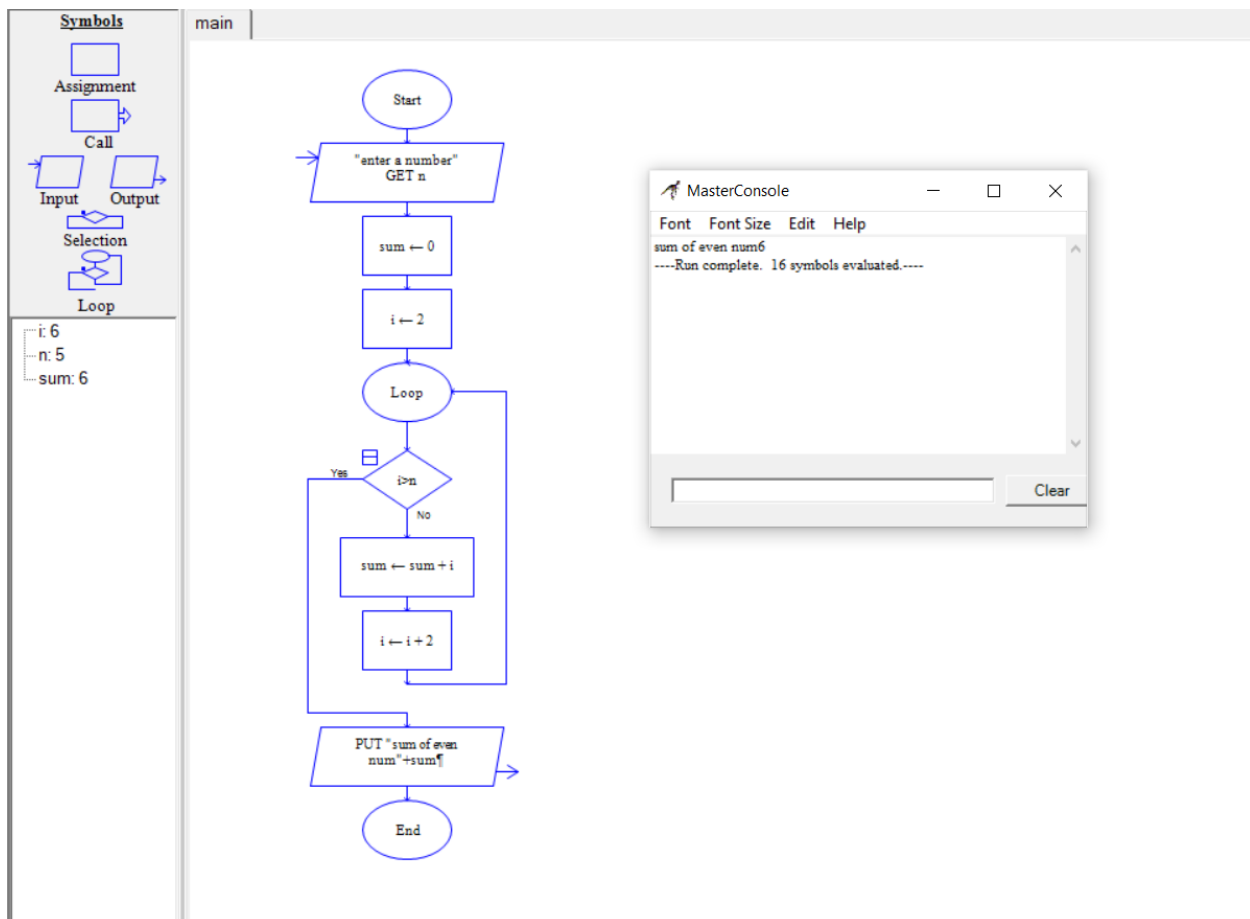
5. Summing up even number series .

C PROGRAMMING:

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,i,sum=0;
5     printf("enter number");
6     scanf("%d",&n);
7     for(i=2;i<=n;i+=2)
8     {
9         sum+=i;
10    }
11    printf("sum of even number of 2+4...+%d=",n);
12    printf("%d",sum);
13 }
```



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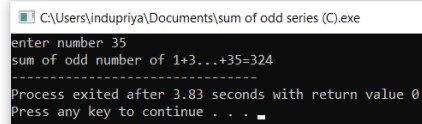
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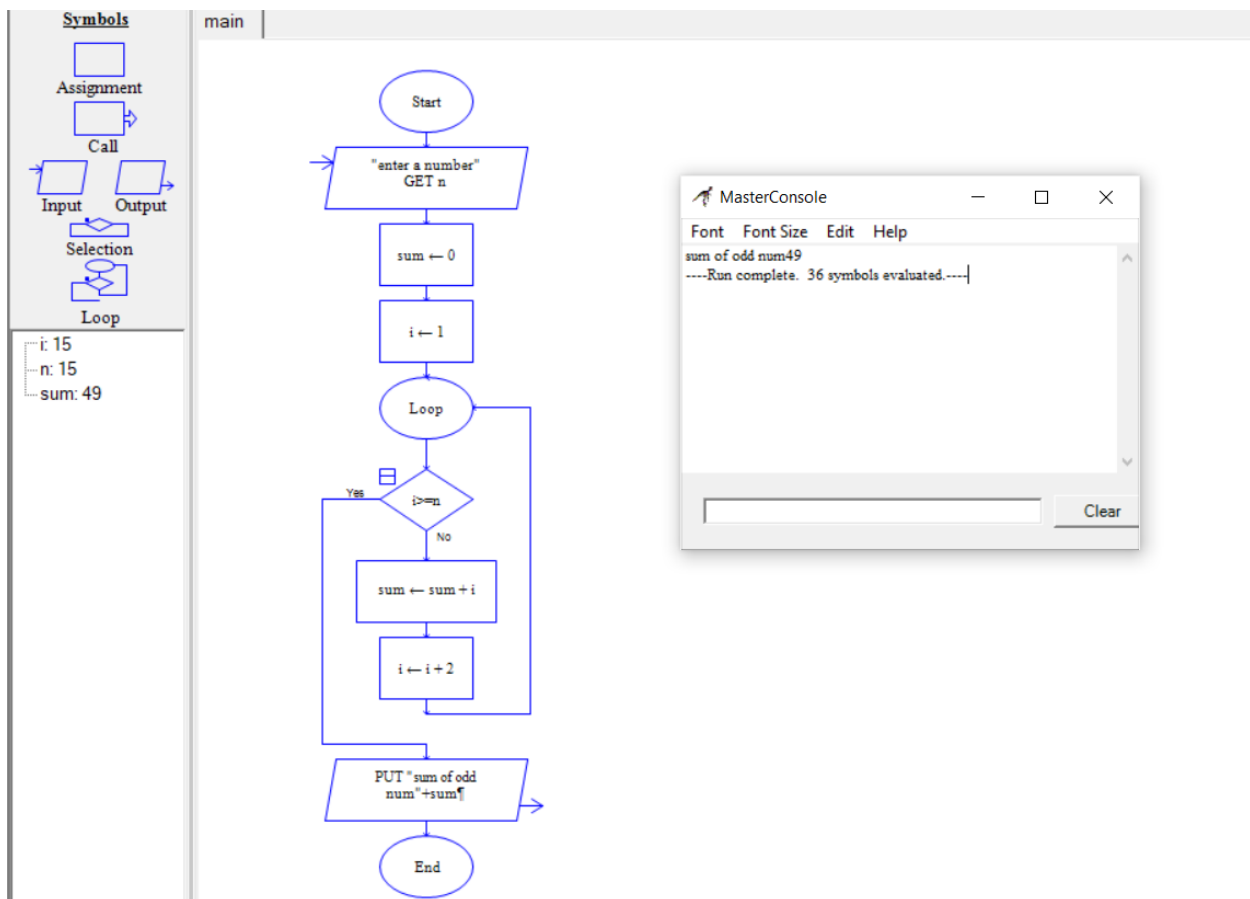
6.Summing up odd number series .

C PROGRAMMING:

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,i,sum=0;
5     printf("enter number ");
6     scanf("%d",&n);
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);
13 }
```



RAPTOR FLOWCHART:



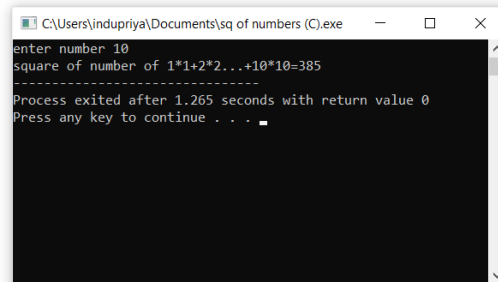
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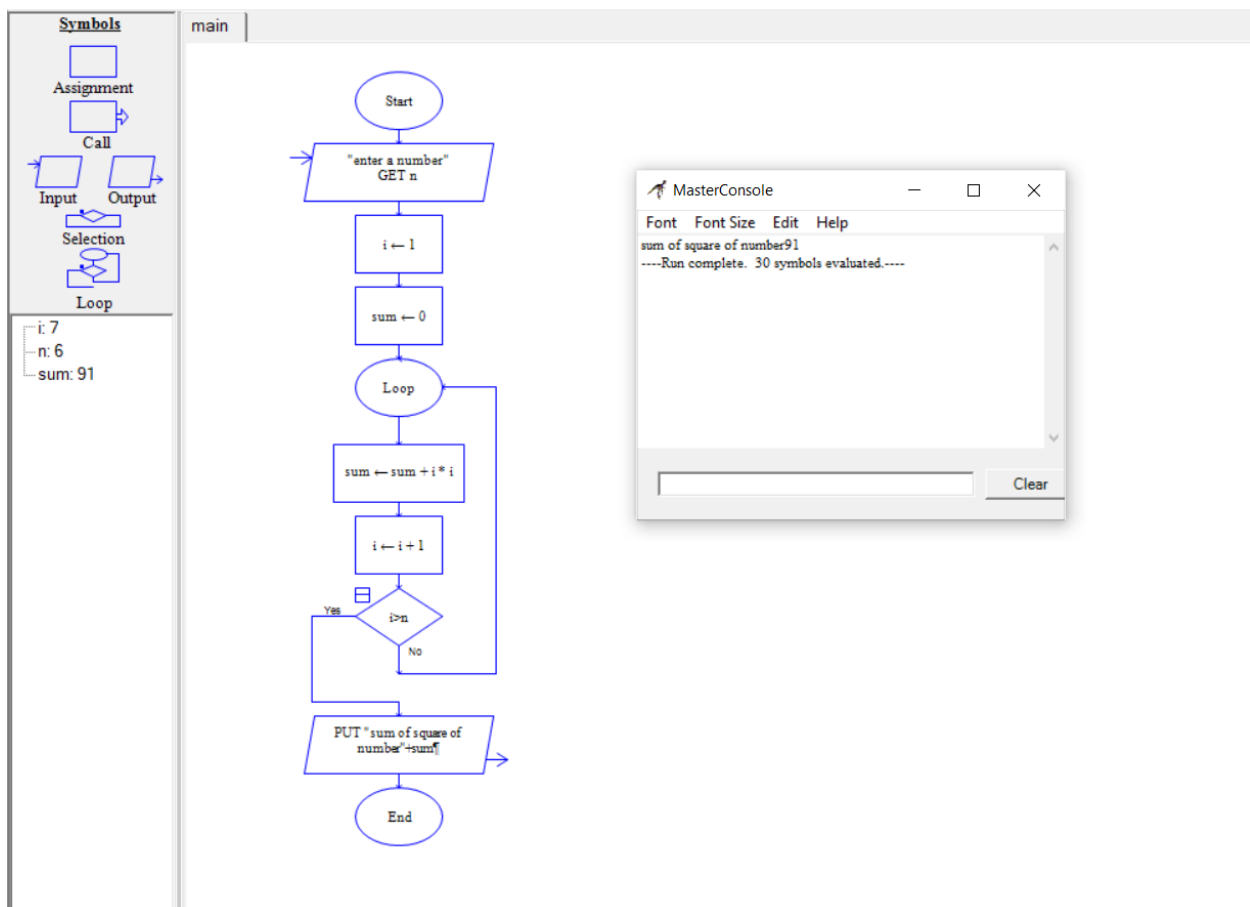
7. Summing up square of n number.

C PROGRAMMING:

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,i,sq=0;
5     printf("enter number ");
6     scanf("%d",&n);
7     for(i=1;i<=n;i++)
8     {
9         sq+=i*i;
10    }
11    printf("square of number of 1*1+2*2...+%d*d=",n,n);
12    printf("%d",sq);
13 }
```



RAPTOR FLOWCHART:



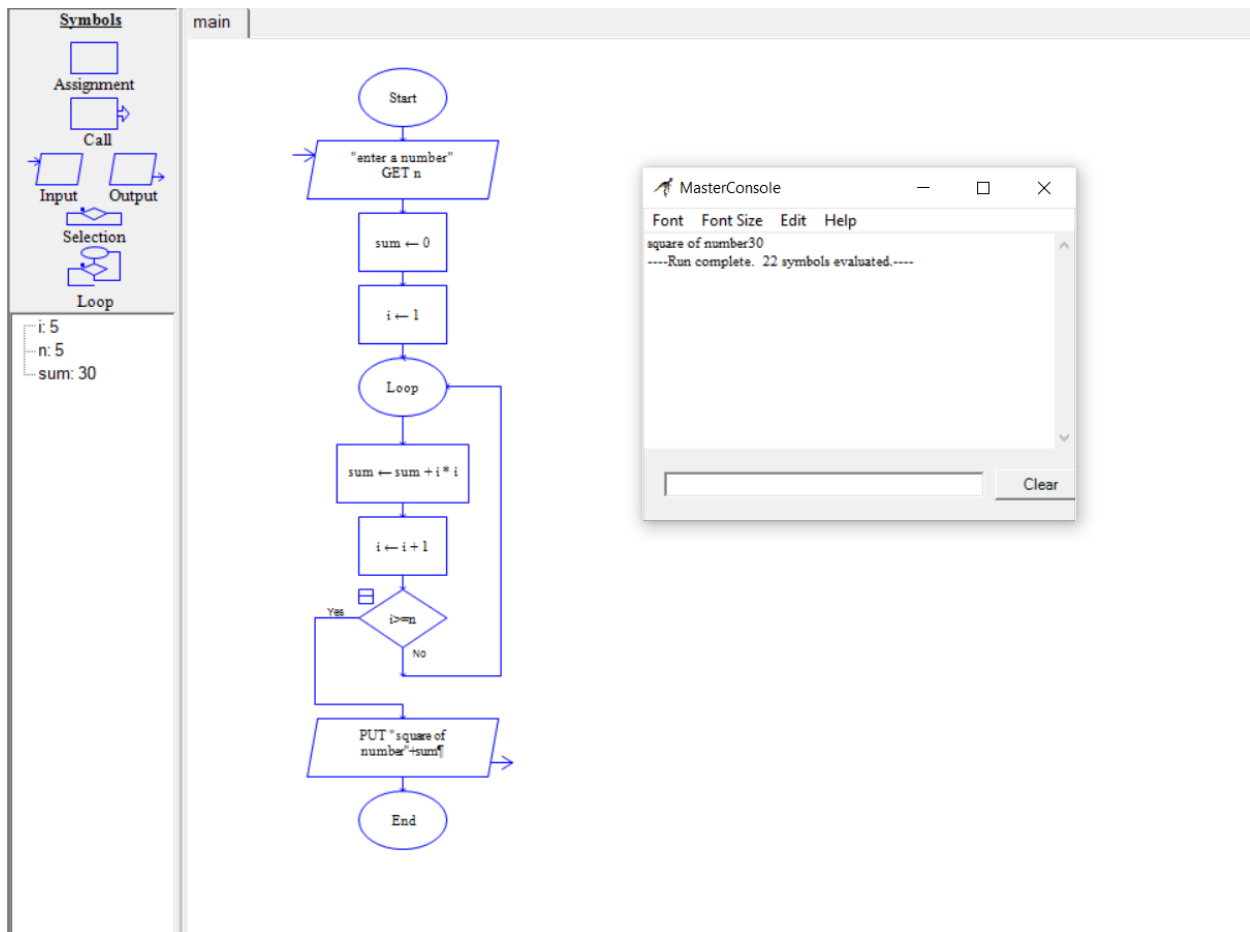
8.Summing up square of even number series .

C PROGRAMMING:

```

1  #include<stdio.h>
2  int main()
3  {
4      int n,i,sq=0;
5      printf("enter number ");
6      scanf("%d",&n);
7      for(i=2;i<=n;i+=2)
8      {
9          sq+=i*i;
10     }
11     printf("square of even number of 2*2+4*4...+%d*d=",n,n);
12     printf("%d",sq);
13 }
    
```

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9.Summing up square of odd number series .

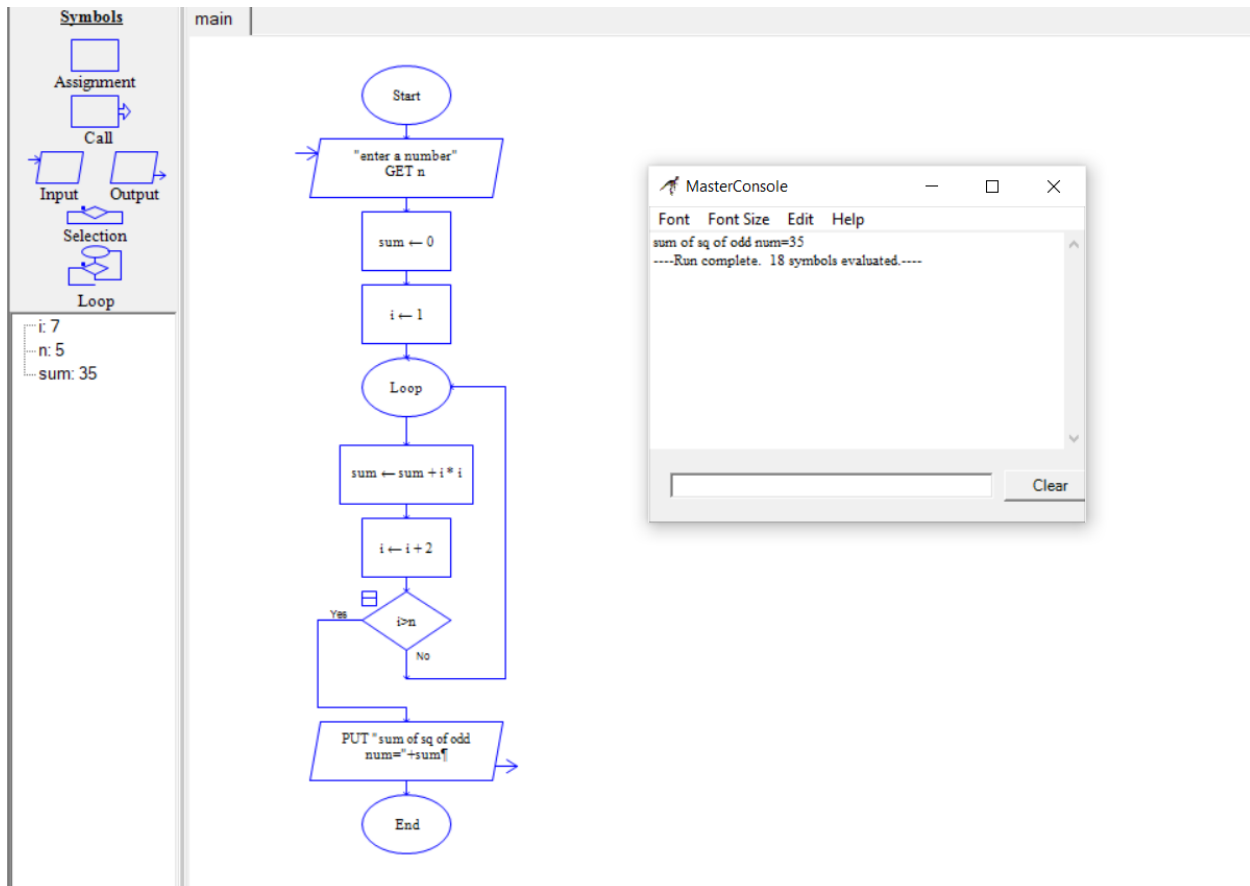
C PROGRAMMING:

```

1 #include<stdio.h>
2 int main()
3 {
4     int n,i,sum=0;
5     printf("enter number ");
6     scanf("%d",&n);
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);
13 }

```

RAPTOR FLOWCHART:



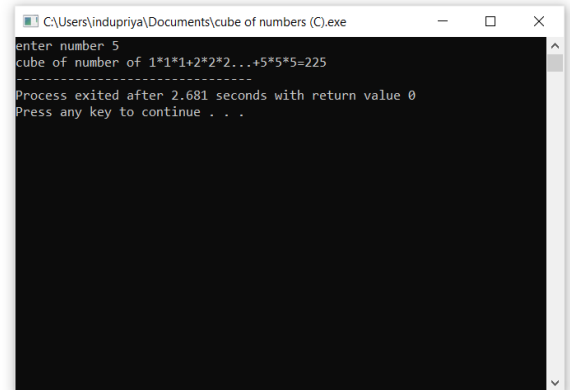
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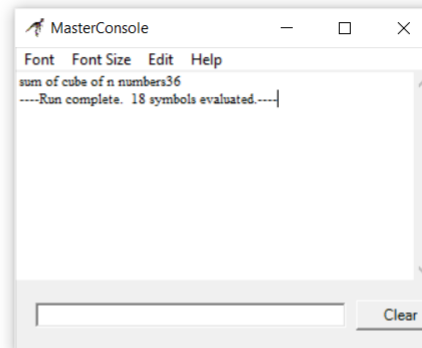
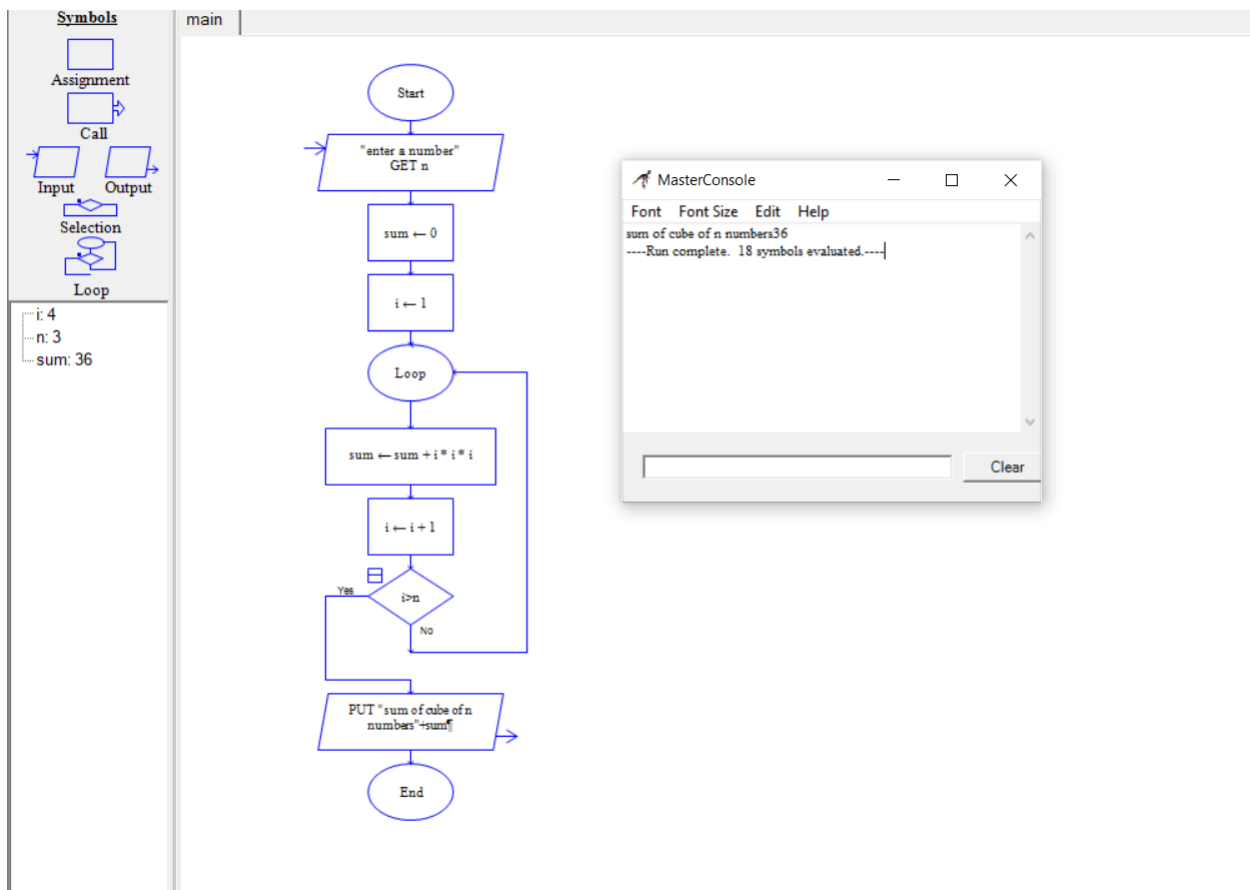
10. Summing up cubes of n numbers.

C PROGRAMMING:

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,i,cube=0;
5     printf("enter number ");
6     scanf("%d",&n);
7     for(i=1;i<=n;i++)
8     {
9         cube+=i*i*i;
10    }
11    printf("cube of number of 1*1*1+2*2*2...+%d*d*d=",n,n,n);
12    printf("%d",cube);
13 }
```



RAPTOR FLOWCHART:



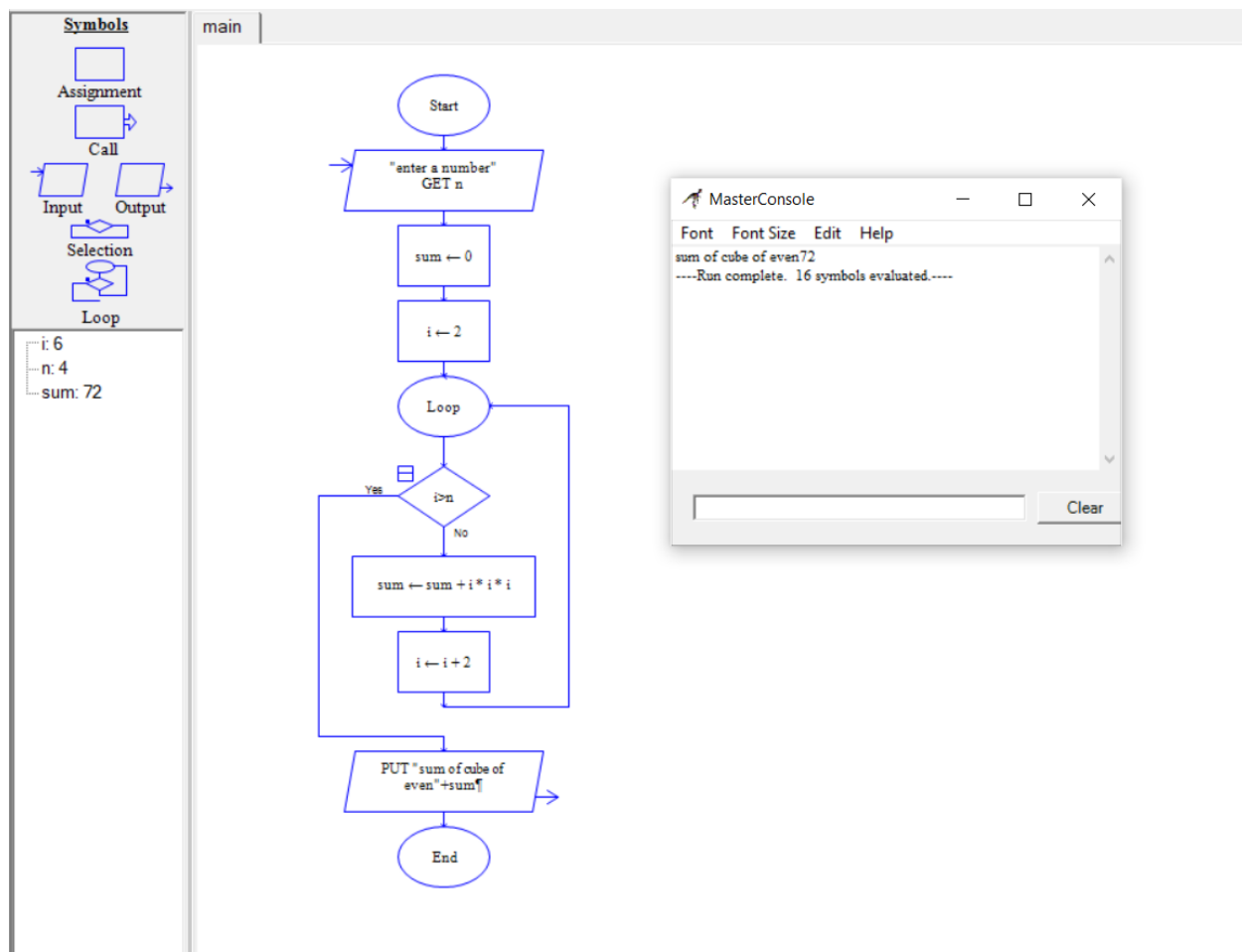
11.Summing up cubes of even number series .

C PROGRAMMING:

```

1  #include<stdio.h>
2  int main()
3  {
4      int n,i,cube=0;
5      printf("enter number ");
6      scanf("%d",&n);
7      for(i=2;i<=n;i+=2)
8      {
9          cube+=i*i*i;
10     }
11     printf("cube of even number of 2*2*2+4*4*4...+%d*d*d=",n,n,n);
12     printf("%d",cube);
13 }
    
```

RAPTOR FLOWCHART:



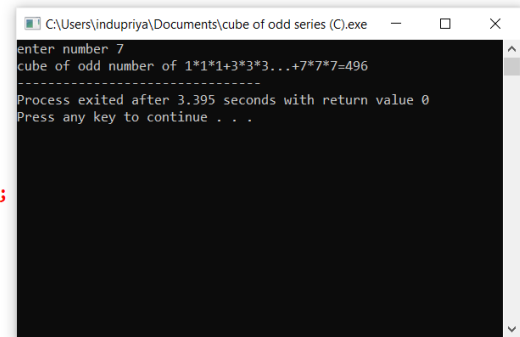
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12.Summing up cubes of odd number series.

C PROGRAMMING:

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,i,cube=0;
5     printf("enter number ");
6     scanf("%d",&n);
7     for(i=1;i<=n;i+=2)
8     {
9         cube+=i*i*i;
10    }
11    printf("cube of odd number of 1*1*1+3*3*3...+%d*d*d=",n,n,n);
12    printf("%d",cube);
13 }
```



```
C:\Users\indupriya\Documents\cube of odd series (C).exe
enter number 7
cube of odd number of 1*1*1+3*3*3...+7*7*7=496
Process exited after 3.395 seconds with return value 0
Press any key to continue . . .
```

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