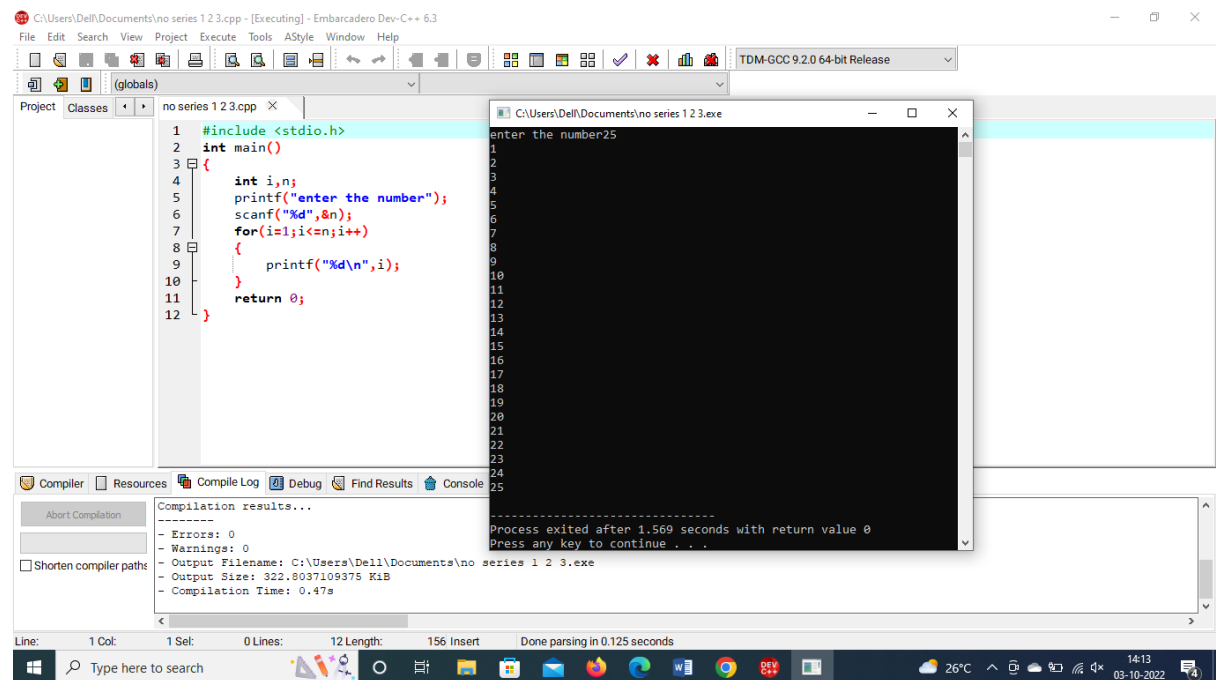


1. Generation of number series 1, 2, 3, 4,.....n ?

PROGRAM:



```
#include <stdio.h>
int main()
{
    int i,n;
    printf("enter the number");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
    {
        printf("%d\n",i);
    }
    return 0;
}
```

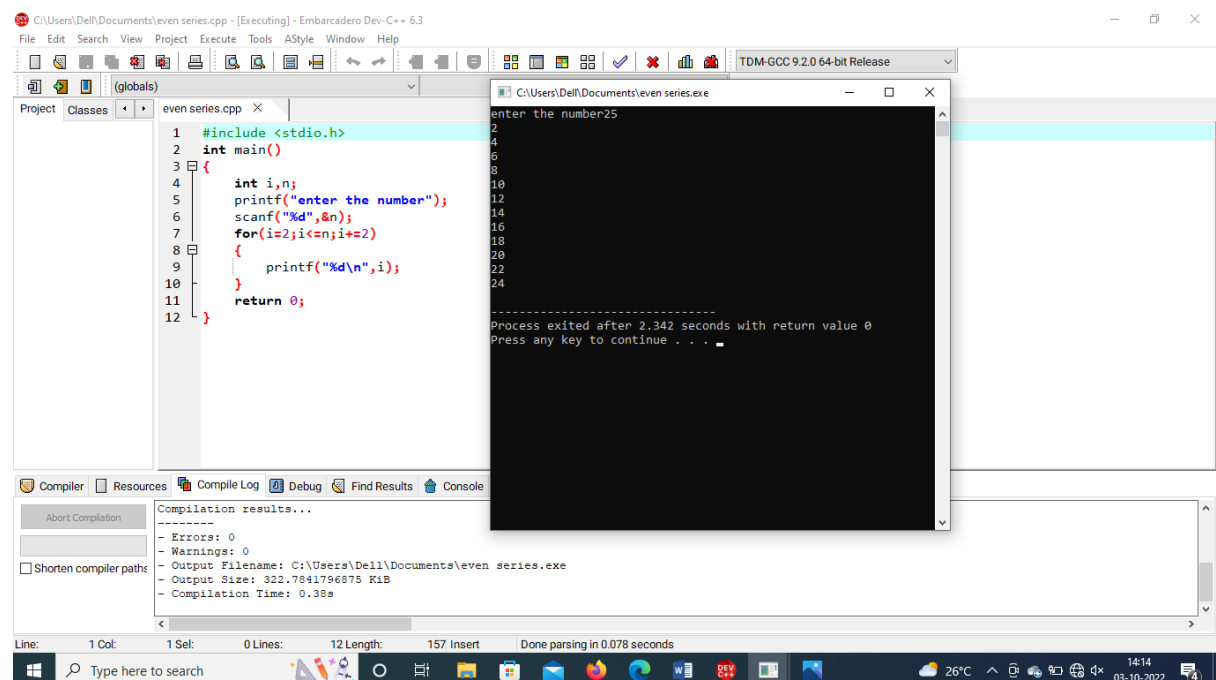
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ DELL \Documents\no series 1 2 3.exe
- Output Size: 322.9037109375 KiB
- Compilation Time: 0.47s

Process exited after 1.569 seconds with return value 0
Press any key to continue . . .

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

PROGRAM:



```
#include <stdio.h>
int main()
{
    int i,n;
    printf("enter the number");
    scanf("%d",&n);
    for(i=2;i<=n;i+=2)
    {
        printf("%d\n",i);
    }
    return 0;
}
```

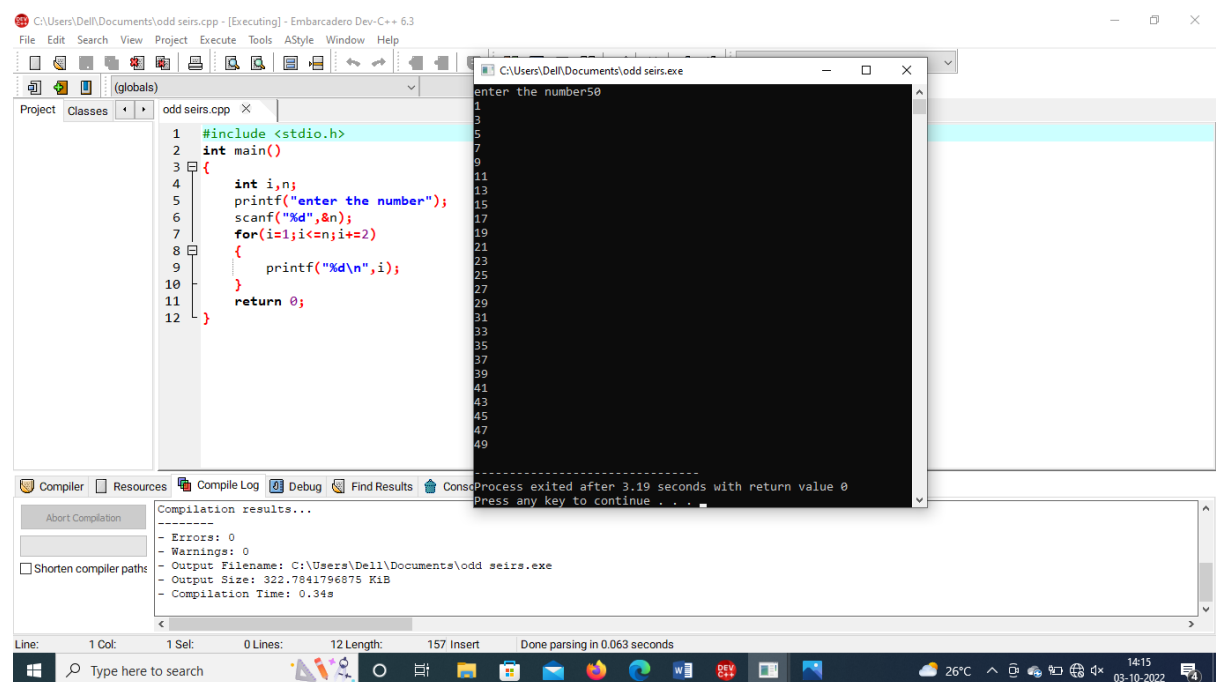
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ DELL \Documents\even series.exe
- Output Size: 322.7041796875 KiB
- Compilation Time: 0.38s

Process exited after 2.342 seconds with return value 0
Press any key to continue . . .

3. Generation of ODD number series 1, 3, 5,n ?

PROGRAM:



The screenshot shows a C++ IDE with the file `odd seirs.cpp` open. The code is as follows:

```
1 #include <stdio.h>
2 int main()
3 {
4     int i,n;
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 }
```

The console window shows the execution output:

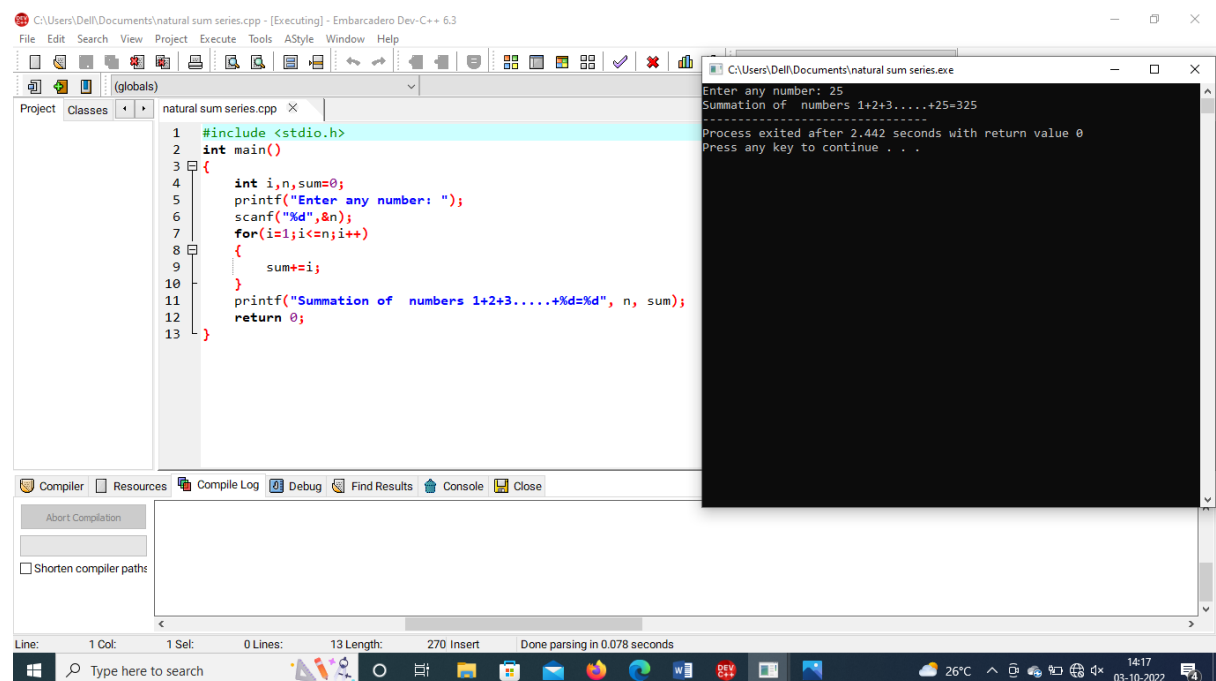
```
enter the number59
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
43
45
47
49
.....
Process exited after 3.19 seconds with return value 0
Press any key to continue . . .
```

The compilation results window shows:

```
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\De11\Documents\odd seirs.exe
- Output Size: 322.7841796875 KiB
- Compilation Time: 0.34s
```

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

PROGRAM:



The screenshot shows a C++ IDE with the file `natural sum series.cpp` open. The code is as follows:

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

The console window shows the execution output:

```
Enter any number: 25
Summation of numbers 1+2+3.....+25=325
.....
Process exited after 2.442 seconds with return value 0
Press any key to continue . . .
```

5. Summing up Even Number series?

PROGRAM:

The screenshot shows the Embarcadero Dev-C++ IDE with a C++ program named 'SUM OF EVEN.cpp' open. The program prompts the user to enter a number, calculates the sum of even numbers from 2 to that number, and displays the result. The console window shows the output for an input of 50, resulting in a sum of 650. The compilation results pane at the bottom shows no errors or warnings.

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

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Del1\Documents\SUM OF EVEN.exe
- Output Size: 322.7841796875 KiB
- Compilation Time: 0.48s

Console output:

```
Enter any number: 50
Summation of even numbers 2+4+6.....+50=650
Process exited after 2.422 seconds with return value 0
Press any key to continue . . .
```

6. Summing up ODD Number series?

PROGRAM:

The screenshot shows the Embarcadero Dev-C++ IDE with a C++ program named 'odd series sum.cpp' open. The program prompts the user to enter a number, calculates the sum of odd numbers from 1 to that number, and displays the result. The console window shows the output for an input of 50, resulting in a sum of 625. The compilation results pane at the bottom shows no errors or warnings.

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

Compilation results...

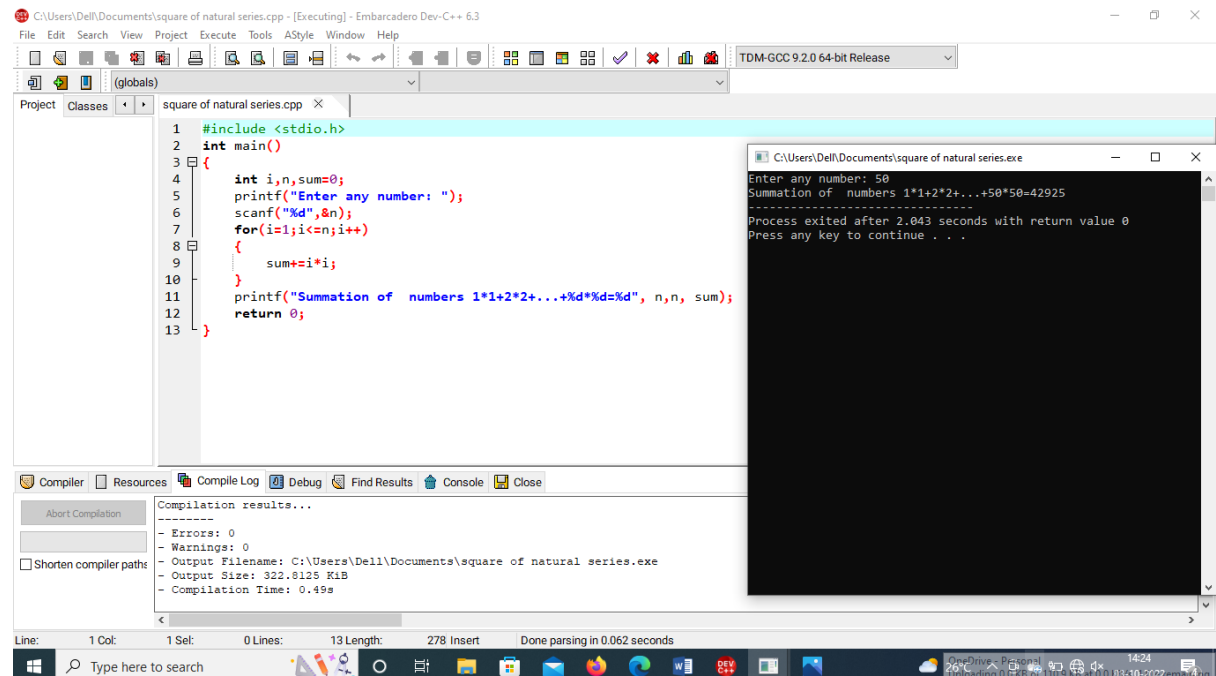
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Del1\Documents\odd series sum.exe
- Output Size: 322.7841796875 KiB
- Compilation Time: 0.39s

Console output:

```
Enter any number: 50
Summation of odd numbers 1+3+5+.....+50=625
Process exited after 0.32 seconds with return value 0
Press any key to continue . . .
```

7. Summing up of square of n numbers ?

PROGRAM:



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

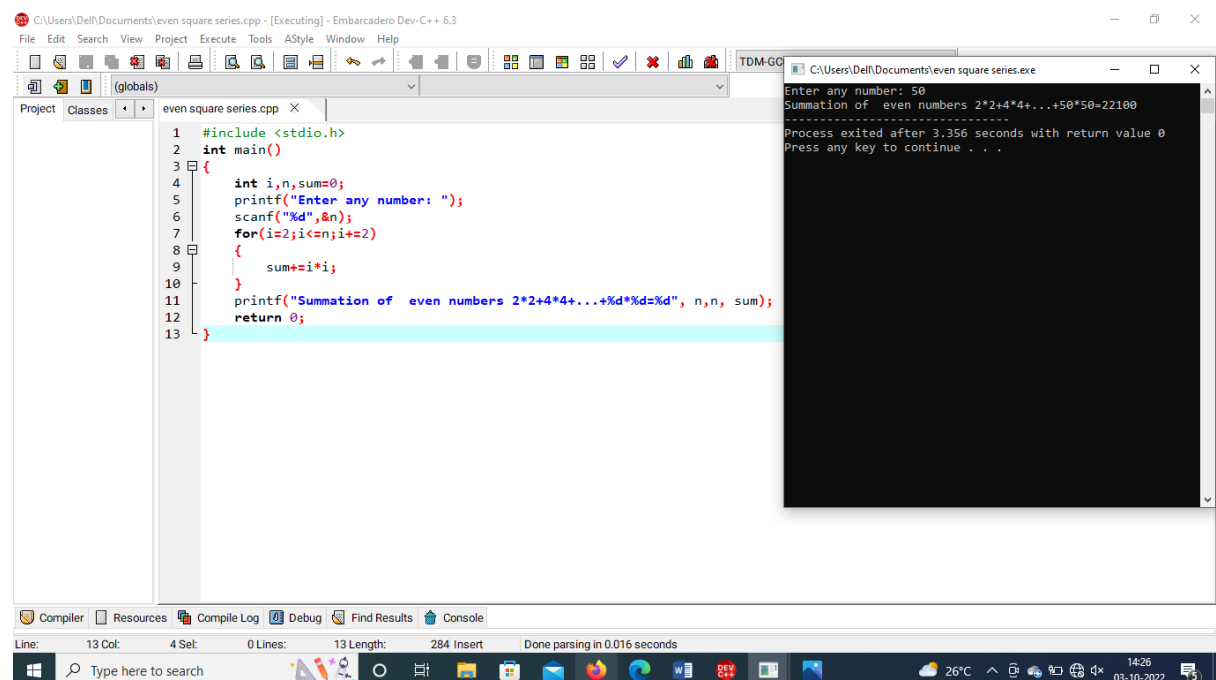
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Del1\Documents\square of natural series.exe
- Output Size: 322.8125 KiB
- Compilation Time: 0.49s

Enter any number: 50
Summation of numbers 1*1+2*2+...+50*50=42925
Process exited after 2.043 seconds with return value 0
Press any key to continue . . .

8. Summing up of square of EVEN numbers ?

PROGRAM:



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

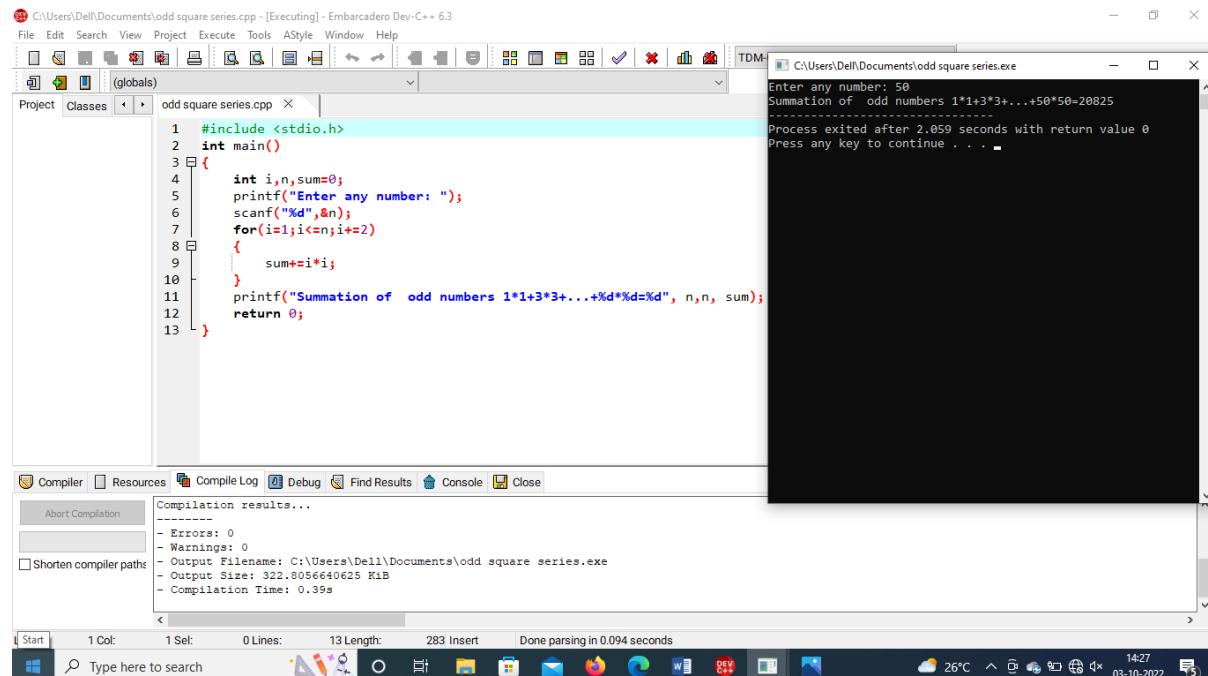
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Del1\Documents\even square series.exe
- Output Size: 322.8125 KiB
- Compilation Time: 0.49s

Enter any number: 50
Summation of even numbers 2*2+4*4+...+50*50=22100
Process exited after 3.356 seconds with return value 0
Press any key to continue . . .

9. Summing up of square of ODD numbers?

PROGRAM:



The screenshot shows a C++ IDE with the following code in `odd square series.cpp`:

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

The execution output shows:

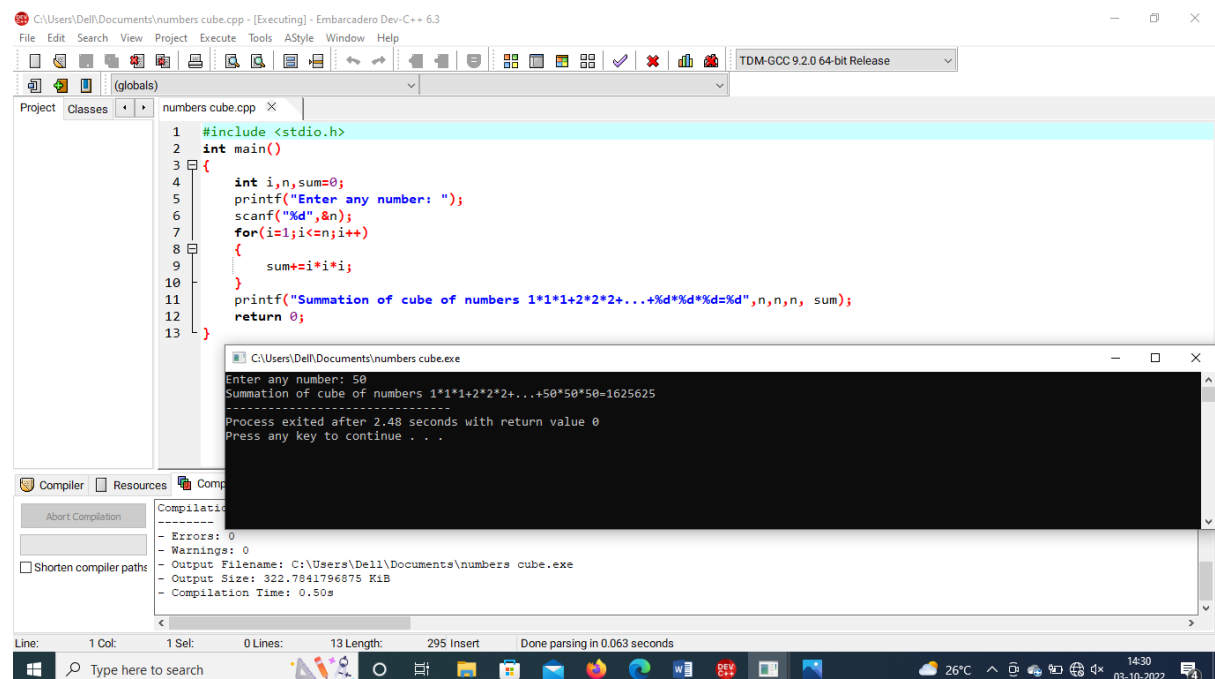
```
Enter any number: 50
Summation of odd numbers 1*1+3*3+...+50*50=20825
Process exited after 2.059 seconds with return value 0
Press any key to continue . . .
```

Compilation results:

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Del1\Documents\odd square series.exe
- Output Size: 322.8056640625 KiB
- Compilation Time: 0.39s

10. Summing up cubes of n numbers?

PROGRAM:



The screenshot shows a C++ IDE with the following code in `numbers cube.cpp`:

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

The execution output shows:

```
Enter any number: 50
Summation of cube of numbers 1*1*1+2*2*2+...+50*50*50=1625625
Process exited after 2.48 seconds with return value 0
Press any key to continue . . .
```

Compilation results:

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Del1\Documents\numbers cube.exe
- Output Size: 322.7841796875 KiB
- Compilation Time: 0.50s

11. Summing up cube of EVEN number series?

PROGRAM:

The screenshot shows the Embarcadero Dev-C++ IDE with a project named 'cube of even.cpp'. The code in the editor is as follows:

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

The output window shows the following execution details:

```
Enter any number: 50
Summation of cube of even numbers 2*2*2+4*4*4+...+50*50*50=845000
-----
Process exited after 2.385 seconds with return value 0
Press any key to continue . . .
```

The compiler window shows the following compilation results:

```
Compilation Results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Del1\Documents\cube of even.exe
- Output Size: 322.7841796875 KiB
- Compilation Time: 0.36s
```

12. Summing up cube of ODD number series?

PROGRAM:

The screenshot shows the Embarcadero Dev-C++ IDE with a project named 'cube of odd.cpp'. The code in the editor is as follows:

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

The output window shows the following execution details:

```
Enter any number: 50
sum of cube of odd numbers 1*1*1+3*3*3+...+50*50*50=780625
-----
Process exited after 1.681 seconds with return value 0
Press any key to continue . . .
```

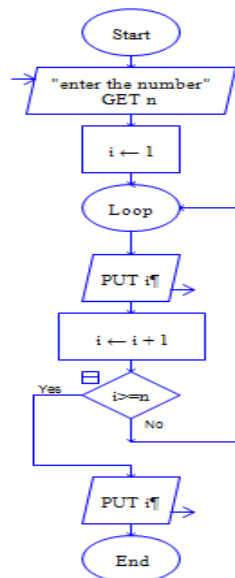
The compiler window shows the following compilation results:

```
Compilation Results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Del1\Documents\cube of odd.exe
- Output Size: 322.7841796875 KiB
- Compilation Time: 0.36s
```

PROGRAMS USING RAPTOR:

1. GENERATION OF NATURAL NUMBERS :

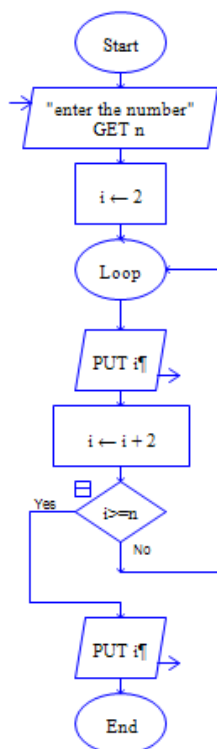
PROGRAM:



```
MasterConsole
Font Font Size Edit Help
1
2
3
4
5
6
7
8
9
10
----Run complete. 41 symbols evaluated.----
```

2. GENERATION OF EVEN NUMBER SERIES ?

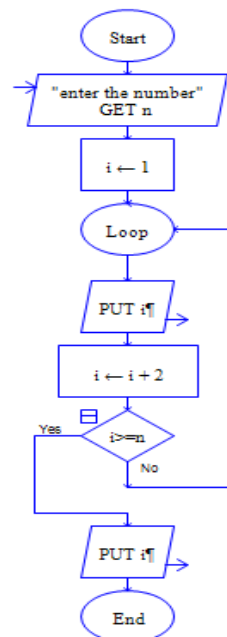
PROGRAM:



```
MasterConsole
Font Font Size Edit Help
2
4
6
8
10
12
14
16
18
20
----Run complete. 41 symbols evaluated.----
```

3. GENERATION OF ODD NUMBER SERIES?

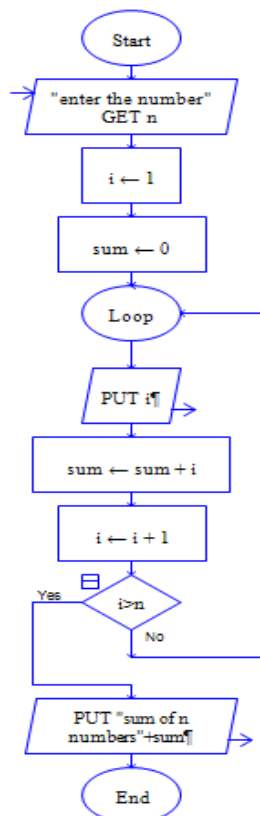
PROGRAM:



```
MasterConsole
Font Font Size Edit Help
1
3
5
7
9
11
13
15
17
19
21
23
25
----Run complete. 53 symbols evaluated.----
[ ] Clear
```

4. SUMMATING OF SERIES 1+2+3+.....+N ?

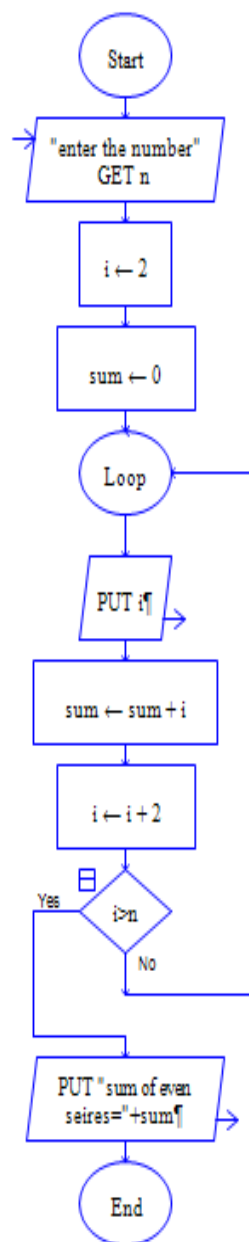
PROGRAM:



```
MasterConsole
Font Font Size Edit Help
1
2
3
4
5
sum of n numbers15
----Run complete. 31 symbols evaluated.----
[ ] Clear
```


5. SUMMATING UP EVEN NUMBER SERIES?

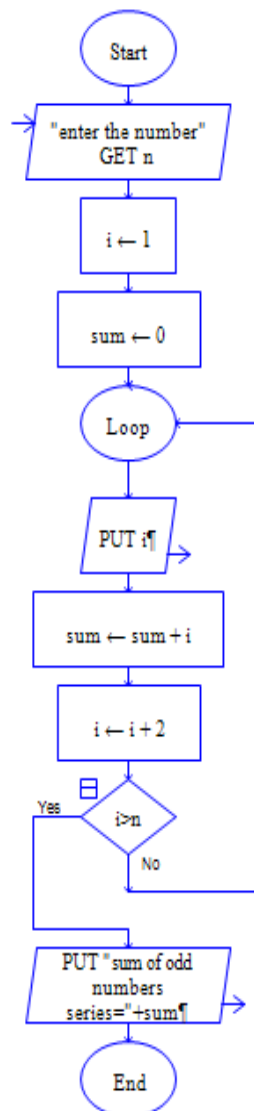
PROGRAM:



The screenshot shows a window titled 'MasterConsole' with a menu bar (Font, Font Size, Edit, Help) and a text area. The text area contains the following output:
2
4
6
8
sum of even seires=20
----Run complete. 26 symbols evaluated.----
Below the text area is a text input field and a 'Clear' button.

6. SUMMATING UP ODD NUMBER SERIES?

PROGRAM:

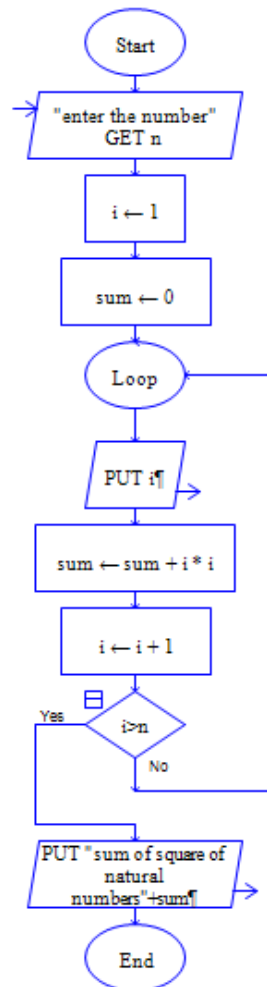


```
MasterConsole
Font  Font Size  Edit  Help
1
3
5
7
9
sum of odd numbers series=25
----Run complete. 31 symbols evaluated.----
```

The screenshot shows a 'MasterConsole' window with a menu bar (Font, Font Size, Edit, Help). The output area displays the numbers 1, 3, 5, 7, and 9, followed by the text 'sum of odd numbers series=25' and a completion message '----Run complete. 31 symbols evaluated.----'. At the bottom, there is a text input field and a 'Clear' button.

7. SUMMATING UP SQUARE OF N NUMBERS:

PROGRAM:



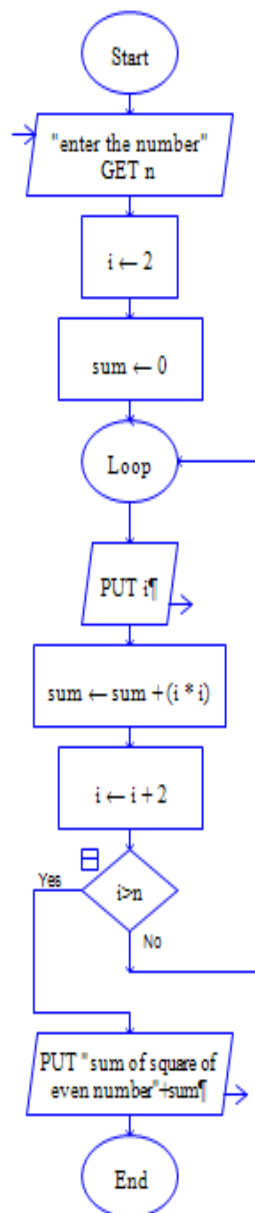
The screenshot shows a window titled 'MasterConsole' with a menu bar (Font, Font Size, Edit, Help). The console displays the following output:

```
1
2
3
4
sum of square of natural numbers30
----Run complete. 26 symbols evaluated.----
```

At the bottom of the window, there is a text input field and a 'Clear' button.

8. SUMMATING UP SQUARE OF EVEN NUMBERS SERIES ?

PROGRAM:

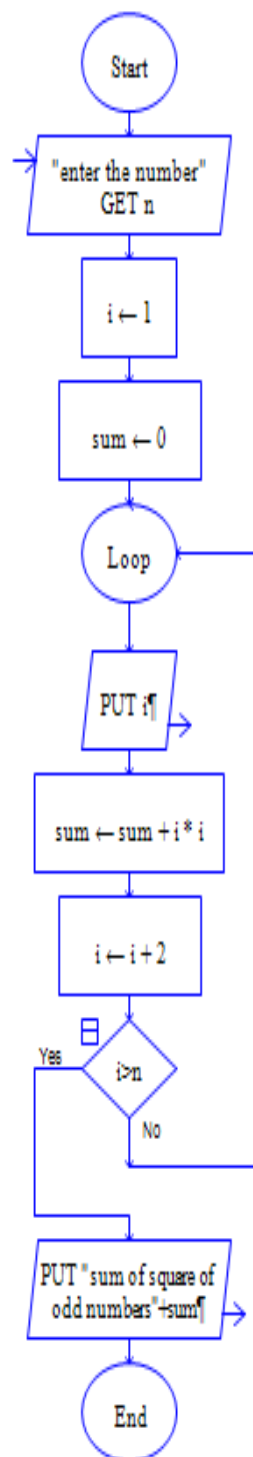


```
MasterConsole
Font Font Size Edit Help
2
4
6
8
10
sum of square of even number220
----Run complete. 31 symbols evaluated.----
```

The screenshot shows the MasterConsole window with the output of the program. The numbers 2, 4, 6, 8, and 10 are printed on separate lines. Below them, the text 'sum of square of even number220' is displayed. At the bottom, a status bar indicates '----Run complete. 31 symbols evaluated.----'. A 'Clear' button is visible at the bottom right of the console area.

9. SUMMATING UP SQUARE OF ODD NUMBERS SERIES?

PROGRAM:

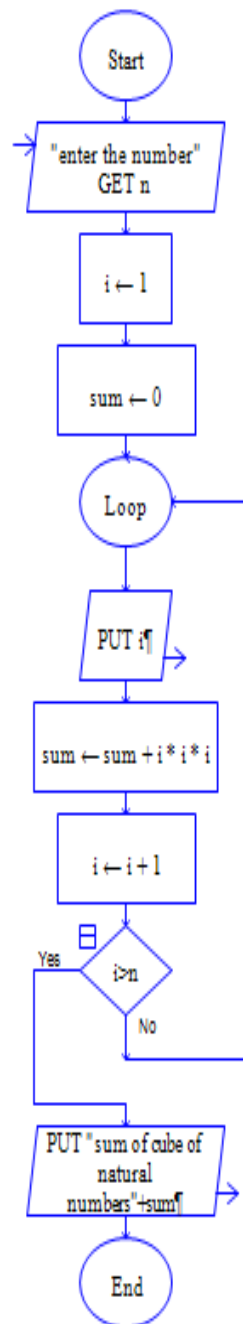


```
MasterConsole
Font  Font Size  Edit  Help
1
3
5
7
9
11
sum of square of odd numbers286
----Run complete. 36 symbols evaluated.----
```

The screenshot shows a 'MasterConsole' window with a menu bar (Font, Font Size, Edit, Help). The output displays the odd numbers 1, 3, 5, 7, 9, and 11, followed by the calculated sum 'sum of square of odd numbers286'. A status bar at the bottom indicates '----Run complete. 36 symbols evaluated.----' and includes a 'Clear' button.

10.SUMMATING UP CUBE OF N NUMBERS SERIES?

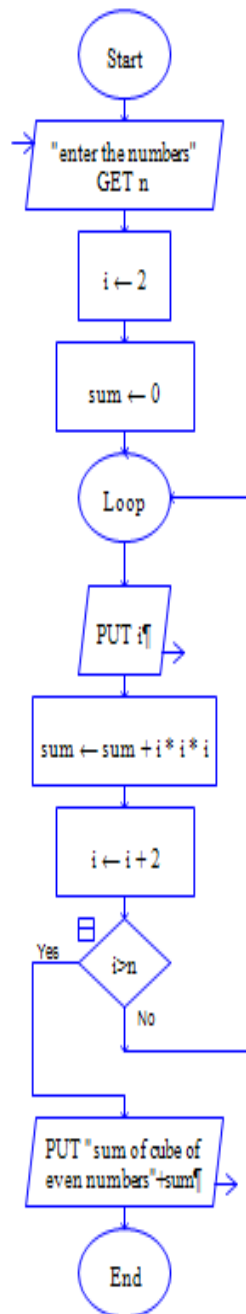
PROGRAM:



The screenshot shows a 'MasterConsole' window with a menu bar (Font, Font Size, Edit, Help) and a text area. The text area contains the following output:
1
2
3
4
sum of cube of natural numbers100
----Run complete. 26 symbols evaluated.----
At the bottom, there is an input field and a 'Clear' button.

11.SUMMATING UP CUBE OF EVEN NUMBERS SERIES?

PROGRAM:

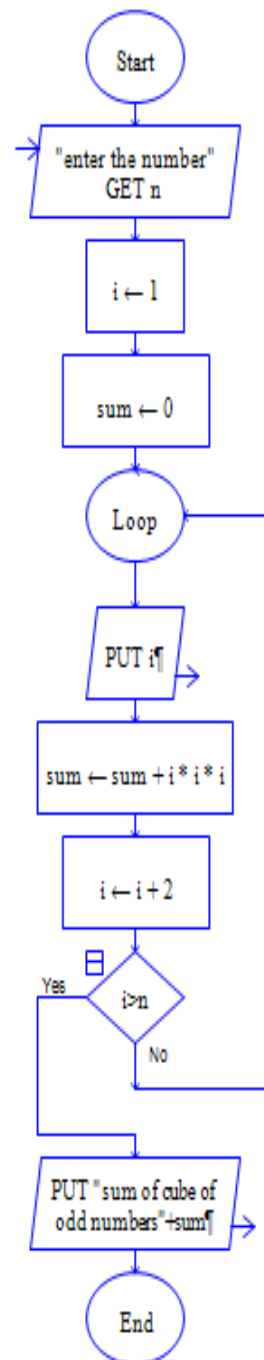


```
MasterConsole
Font Font Size Edit Help
2
4
6
8
10
sum of cube of even numbers1800
----Run complete. 31 symbols evaluated.----
```

The screenshot shows the MasterConsole window with the program's output. The numbers 2, 4, 6, 8, and 10 are printed on separate lines. The final output is 'sum of cube of even numbers1800'. The console also displays the message '----Run complete. 31 symbols evaluated.----' and has a 'Clear' button at the bottom.

12.SUMMATING UP CUBE OF ODD NUMBER SERIES?

PROGRAM:



The screenshot shows a 'MasterConsole' window with a menu bar (Font, Font Size, Edit, Help) and a text area. The text area contains the following output:
1
3
5
7
9
11
sum of cube of odd numbers2556
----Run complete. 36 symbols evaluated.----
At the bottom, there is an input field and a 'Clear' button.