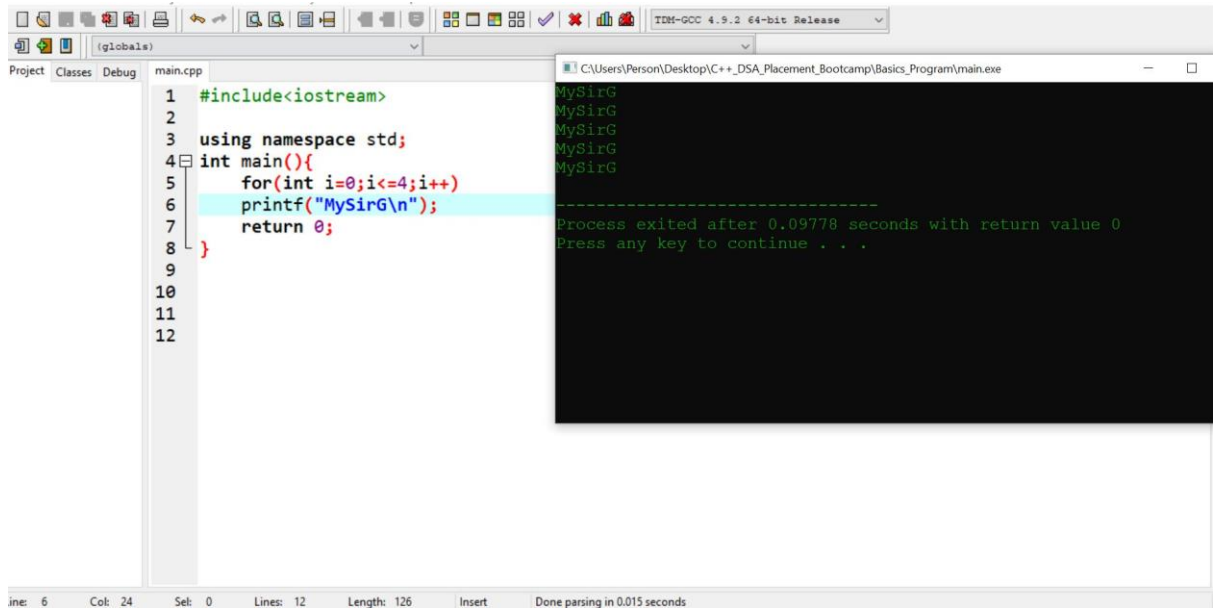


Assignment-04

1. Write a program to print MySirG 5 times on the screen

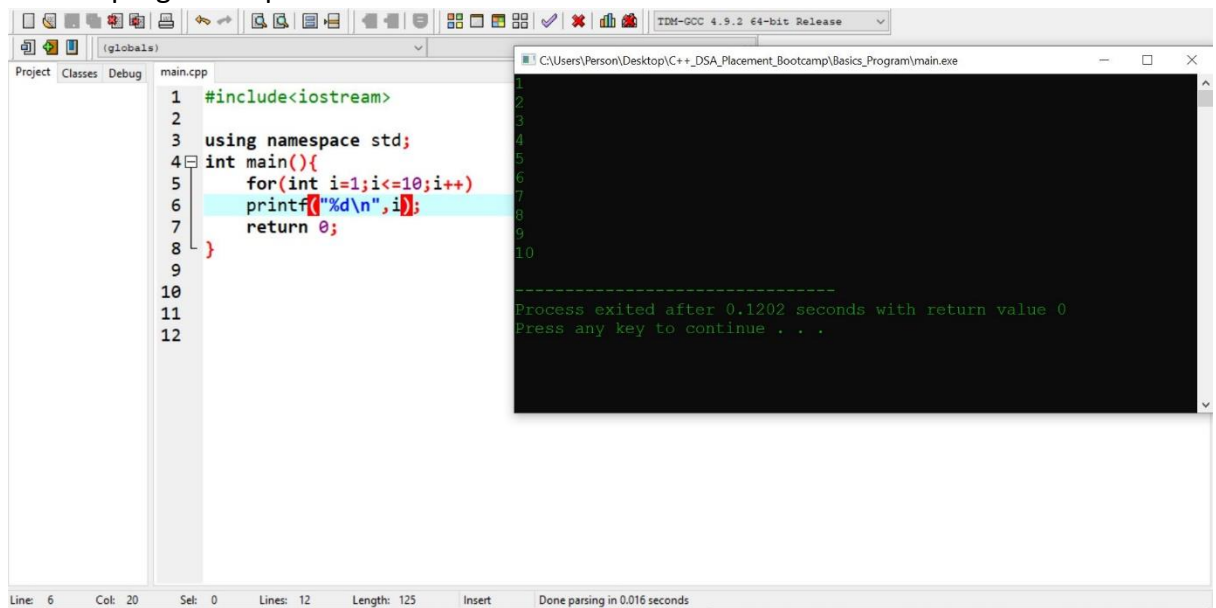


The screenshot shows a C++ IDE with a file named `main.cpp`. The code is as follows:

```
1 #include<iostream>
2
3 using namespace std;
4 int main(){
5     for(int i=0;i<=4;i++)
6         printf("MySirG\n");
7     return 0;
8 }
```

The output window shows the program's execution, displaying "MySirG" five times on separate lines. Below the output, it states: "Process exited after 0.09778 seconds with return value 0" and "Press any key to continue . . .".

2. Write a program to print the first 10 natural numbers.



The screenshot shows a C++ IDE with a file named `main.cpp`. The code is as follows:

```
1 #include<iostream>
2
3 using namespace std;
4 int main(){
5     for(int i=1;i<=10;i++)
6         printf("%d\n", i);
7     return 0;
8 }
```

The output window shows the program's execution, displaying the first 10 natural numbers (1 through 10) on separate lines. Below the output, it states: "Process exited after 0.1202 seconds with return value 0" and "Press any key to continue . . .".

3. Write a program to print the first 10 natural numbers in reverse order

The screenshot shows a C++ IDE with a file named `main.cpp`. The code is as follows:

```
1 #include<iostream>
2
3 using namespace std;
4 int main(){
5     for(int i=10;i>=1;i--){
6         printf("%d\n",i);
7     }
8     return 0;
9
10
11
12
```

The output window shows the following output:

```
10
9
8
7
6
5
4
3
2
1
-----
Process exited after 0.1157 seconds with return value 0
Press any key to continue . . .
```

The status bar at the bottom indicates: Line: 5, Col: 26, Sel: 0, Lines: 12, Length: 125, Insert, Done parsing in 0.016 seconds.

4. Write a program to print the first 10 odd natural numbers

The screenshot shows a C++ IDE with a file named `main.cpp`. The code is as follows:

```
1 #include<iostream>
2
3 using namespace std;
4 int main(){
5     for(int i=1;i<=20;i++){
6         if(i%2!=0)
7             printf("%d\n",i);
8     }
9     return 0;
10
11
12
13
```

The output window shows the following output:

```
1
3
5
7
9
11
13
15
17
19
-----
Process exited after 0.08998 seconds with return value 0
Press any key to continue . . .
```

The status bar at the bottom indicates: Line: 6, Col: 12, Sel: 0, Lines: 13, Length: 138, Insert, Done parsing in 0.016 seconds.

5. Write a program to print the first 10 odd natural numbers in reverse order.

The screenshot shows a C++ IDE with a file named `main.cpp` and a terminal window. The code in `main.cpp` is as follows:

```
1 #include<iostream>
2
3 using namespace std;
4 int main(){
5     for(int i=20;i>=1;i--){
6         if(i%2!=0)
7             printf("%d\n",i);
8     }
9     return 0;
10
11
12
13
```

The terminal window displays the output of the program, which is the sequence of odd numbers from 19 down to 1, each on a new line. At the bottom of the terminal, it says: "Process exited after 0.1166 seconds with return value 0" and "Press any key to continue . . .".

6. Write a program to print the first 10 even natural numbers

The screenshot shows a C++ IDE with a file named `main.cpp` and a terminal window. The code in `main.cpp` is as follows:

```
1 #include<iostream>
2
3 using namespace std;
4 int main(){
5     for(int i=1;i<=20;i++){
6         if(i%2==0)
7             printf("%d\n",i);
8     }
9     return 0;
10
11
12
13
```

The terminal window displays the output of the program, which is the sequence of even numbers from 2 to 20, each on a new line. At the bottom of the terminal, it says: "Process exited after 0.09067 seconds with return value 0" and "Press any key to continue . . .".

7. Write a program to print the first 10 even natural numbers in reverse order

The screenshot shows a C++ IDE with a file named `main.cpp`. The code is as follows:

```
1 #include<iostream>
2
3 using namespace std;
4 int main(){
5     for(int i=20;i>=1;i--)
6         if(i%2==0)
7             printf("%d\n",i);
8     return 0;
9 }
```

The output window shows the following output:

```
20
18
16
14
12
10
8
6
4
2

-----
Process exited after 0.1274 seconds with return value 0
Press any key to continue . . .
```

8. Write a program to print squares of the first 10 natural numbers

The screenshot shows a C++ IDE with a file named `main.cpp`. The code is as follows:

```
1 #include<iostream>
2
3 using namespace std;
4 int main(){
5     for(int i=1;i<=10;i++)
6         printf("%d*d=%d\n",i,i,i*i);
7     return 0;
8 }
```

The output window shows the following output:

```
1*1=1
2*2=4
3*3=9
4*4=16
5*5=25
6*6=36
7*7=49
8*8=64
9*9=81
10*10=100

-----
Process exited after 0.1234 seconds with return value 0
Press any key to continue . . .
```

9. Write a program to print cubes of the first 10 natural numbers

The screenshot shows a C++ IDE with a source file named `main.cpp` and a console window. The source code is as follows:

```
1 #include<iostream>
2
3 using namespace std;
4 int main(){
5     for(int i=1;i<=10;i++)
6         printf("%d=%d\n",i,i*i);
7     return 0;
8 }
```

The console window displays the output of the program:

```
1=1
2=8
3=27
4=64
5=125
6=216
7=343
8=512
9=729
10=1000

-----
Process exited after 0.102 seconds with return value 0
Press any key to continue . . .
```

The status bar at the bottom indicates: Line: 6, Col: 13, Sel: 0, Lines: 12, Length: 134, Insert, Done parsing in 0.015 seconds.

10. Write a program to print a table of 5.

The screenshot shows a C++ IDE with a source file named `main.cpp` and a console window. The source code is as follows:

```
1 #include<iostream>
2
3 using namespace std;
4 int main(){
5     for(int i=1;i<=10;i++)
6         printf("%d\n",i*5);
7     return 0;
8 }
```

The console window displays the output of the program:

```
5
10
15
20
25
30
35
40
45
50

-----
Process exited after 0.1289 seconds with return value 0
Press any key to continue . . .
```

The status bar at the bottom indicates: Line: 6, Col: 22, Sel: 0, Lines: 12, Length: 127, Insert, Done parsing in 0 seconds.