

**Assignment-7: Iterative Control Statements**

1. Write a program to print MySirG 5 times on the screen
2. Write a program to print the first 10 natural numbers.
3. Write a program to print the first 10 natural numbers in reverse order
4. Write a program to print the first 10 odd natural numbers
5. Write a program to print the first 10 odd natural numbers in reverse order.
6. Write a program to print the first 10 even natural numbers
7. Write a program to print the first 10 even natural numbers in reverse order
8. Write a program to print squares of the first 10 natural numbers
9. Write a program to print cubes of the first 10 natural numbers
10. Write a program to print a table of 5.

C:\Users\Suraj\Documents\MySirG\Assig7\assig7.1

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

assig7.1.cpp

```
1 #include<stdio.h>
2 int main(){
3     int n=1;
4     while(n<=5){
5         printf("MySirG.com\n");
6         n=n+1;
7     }
}
```

I

Compiler Resources Compile Log Debug Find Results

Line: 8 Col: 2 Sel: 0 Lines: 8 Length: 102 Insert Done parsing in 0.1

The screenshot shows a software interface with a code editor window. The title bar of the code editor says '(globals)'. Below the title bar, there is a tab bar with several tabs: 'assig7.1.cpp', 'assig7.2.cpp', 'assig7.3.cpp', 'assig7.4.cpp', 'assig7.5.cpp', 'assig7.6.cpp', 'assig7.7.cpp', and 'assig7.8.cpp'. The first tab, 'assig7.1.cpp', is currently selected.

The code editor displays the following C/C++ code:

```
1 #include<stdio.h>
2 int main(){
3     int n=1;
4     while(n<=10){
5         printf("%d\n",n);
6         n++;
7     }
8 }
```

The code is highlighted with syntax coloring: '#include' is blue, 'stdio.h' is green, 'int', 'main', 'while', 'printf', and 'n' are black, and the numerical values and braces are gray. A red rectangular box highlights the opening brace of the 'main' function on line 8.

Below the code editor, there is a toolbar with several icons. The icons are: Compiler (blue square), Resources (red square), Compile Log (green square), Debug (checkmark icon), and Find Results (magnifying glass icon).

At the bottom of the interface, there is a status bar displaying the following information:

- Line: 8
- Col: 2
- Sel: 0
- Lines: 8
- Length: 95
- Insert
- Done parsing in 0.016 sec

A screenshot of a Windows desktop environment. In the center is a code editor window titled "assig7.4.cpp". The window shows a C++ program with syntax highlighting. The code is as follows:

```
1 #include<stdio.h>
2 int main(){
3     int n=10;
4     while(n>=1){
5         printf("%d\n",n);
6         n--;
7     }
8 }
```

The code editor has a toolbar at the top with icons for file operations, and a status bar at the bottom displaying "Compiler Resources Compile Log Debug Find Results".

(globals)

assig7.1.cpp assig7.2.cpp assig7.3.cpp assig7.4.cpp assig7.5.cpp assig7.6.cpp assig7.7.cpp assig7.8.cpp assig7.9.cpp

```
1 #include<stdio.h>
2 int main(){
3     int n=1;
4     while(n<=20){
5         printf("%d\n",n);
6         n=n+2;
7     }
8 }
```

I

Compiler Resources Compile Log Debug Find Results

A screenshot of a code editor window titled '(globals)'. The main area displays a C++ program:

```
#include<stdio.h>
int main(){
    int n=20;
    while(n>=1){
        printf("%d\n",n-1);
        n=n-2;
    }
}
```

The code uses standard C-style syntax, including `#include` for `stdio.h`, a `main` function, and a `while` loop that prints odd numbers from 19 down to 1. The code editor interface includes tabs for other files like 'assig7.1.cpp' through 'assig7.8.cpp', and a toolbar at the bottom with icons for Compiler, Resources, Compile Log, Debug, and Find Results.

The screenshot shows a software interface, likely a development environment, with a toolbar at the top containing numerous icons. Below the toolbar is a menu bar with the word "globals" in parentheses. The main area is a code editor displaying the following C++ code:

```
1 #include<stdio.h>
2 int main(){
3     int n=1;
4     while(n<=20){
5         printf("%d\n",n+1);
6         n=n+2;
7     }
8 }
```

The code uses standard C++ syntax, including `#include`, `int main()`, `while` loop, and `printf` function. The code editor has a light gray background with syntax highlighting for keywords and comments.

At the bottom of the interface, there is a navigation bar with several tabs: Compiler, Resources, Compile Log, Debug, and Find Results. There are also some numerical values and text fields for file paths and other settings.

A screenshot of a code editor window titled '(globals)'. The window contains a tab bar with several files: assig7.1.cpp, assig7.2.cpp, assig7.3.cpp, assig7.4.cpp, assig7.5.cpp, assig7.6.cpp, assig7.7.cpp, assig7.8.cpp, and assig7.9.cpp. The file 'assig7.1.cpp' is currently selected and is displayed in the main editor area. The code in the editor is:

```
1 #include<stdio.h>
2 int main(){
3     int n=20;
4     while(n>=1){
5         printf("%d\n",n);
6         n=n-2;
7     }
8 }
```

The code consists of a single function 'main' that prints even numbers from 20 down to 2. The code editor interface includes standard toolbars and status bars at the bottom.

(globals)

assig7.1.cpp assig7.2.cpp assig7.3.cpp assig7.4.cpp assig7.5.cpp assig7.6.cpp assig7.7.cpp assig7.8.cpp

```
1 #include<stdio.h>
2 int main(){
3     int n=1;
4     while(n<=10){
5         printf("%d\n",n*n);
6         n=n+1;
7     }
8 }
```

Compiler Resources Compile Log Debug Find Results

1 Col: 1 Sel: 0 Lines: 9 Length: 104 Insert Done parsing in 0.016 sec

The screenshot shows a software interface with a code editor in the center. The code editor displays a C++ program with line numbers from 1 to 10 on the left. The code itself is as follows:

```
1 #include<stdio.h>
2 int main(){
3     int n=1;
4     while(n<=10){
5         printf("%d\n",n*n*n);
6         n++;
7     }
8 }
9
10 }
```

At the top of the code editor, there is a tab bar with several tabs labeled: assig7.1.cpp, assig7.2.cpp, assig7.3.cpp, assig7.4.cpp, assig7.5.cpp, assig7.6.cpp, assig7.7.cpp, assig7.8.cpp, and a partially visible tab starting with 'a'. Above the tabs, there is a toolbar with icons for file operations like New, Open, Save, and Print.

Below the code editor, there is a navigation bar with the following items: Compiler, Resources, Compile Log, Debug, Find Results. Underneath the navigation bar, there is some small text indicating the current position: Line: 1 Col: 1 Sel: 0 Lines: 10 Length: 162.

The screenshot shows a software interface with a toolbar at the top containing icons for file operations, search, and other functions. Below the toolbar is a tab bar with several tabs labeled: assig7.1.cpp, assig7.2.cpp, assig7.3.cpp, assig7.4.cpp, assig7.5.cpp, assig7.6.cpp, assig7.7.cpp, assig7.8.cpp, and assig. The tab for assig7.1.cpp is currently active.

The main area is a code editor displaying the following C++ code:

```
1 #include<stdio.h>
2 int main(){
3     int n=1;
4     while(n<=10){
5         printf("5 x %d =%d\n",n,n*5);
6         n++;
7     }
8 }
```

At the bottom of the interface, there is a navigation bar with icons for Compiler, Resources, Compile Log, Debug, and Find Results. Below this bar, status information is displayed: Line: 1, Col: 1, Sel: 0, Lines: 8, Length: 107, Insert, and Done parsing in 0.016 seconds.