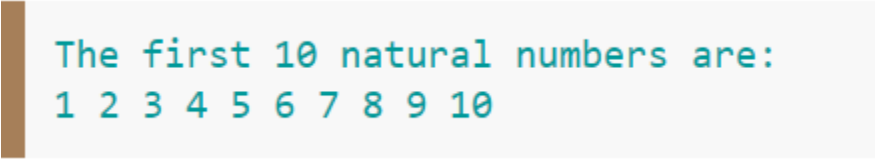


1. Program to write the first 10 numbers.

CODE:-

```
#include <stdio.h>
void main()
{
    int i;
    printf("The first 10 natural numbers are:\n");
    for (i=1;i<=10;i++)
    {
        printf("%d ",i);
    }
    printf("\n");
}
```

A screenshot of a terminal window showing the output of the first program. The text is displayed in a light blue font on a dark background. It reads: "The first 10 natural numbers are:" followed by the numbers 1 through 10 on the next line.

The first 10 natural numbers are:
1 2 3 4 5 6 7 8 9 10

2. Program to calculate the sum of first 10 numbers

CODE :-

```
#include <iostream>
using namespace std;
int main()
{
    int i,sum=0;
    cout << "\n\n Find the first 10 natural numbers:\n";
    cout << "-----\n";
    cout << " The natural numbers are: \n";
    for (i = 1; i <= 10; i++)
    {
        cout << i << " ";
        sum=sum+i;
    }
    cout << "\n The sum of first 10 natural numbers: "<<sum << endl;
}
```

Find the first 10 natural numbers:

The natural numbers are:

1 2 3 4 5 6 7 8 9 10

The sum of first 10 natural numbers: 55

3. Make the loop stop when i is 5.

```
#include <iostream>
```

```
using namespace std;
```

```
void useOfBreak()
```

```
{
```

```
    for (int i = 0; i < 40; i++) {
```

```
        cout << "Value of i: " << i << endl;
```

```
        if (i == 5) {
```

```
            break;
```

```
        }
```

```
    }
```

```
}
```

```
int main()
```

```
{
```

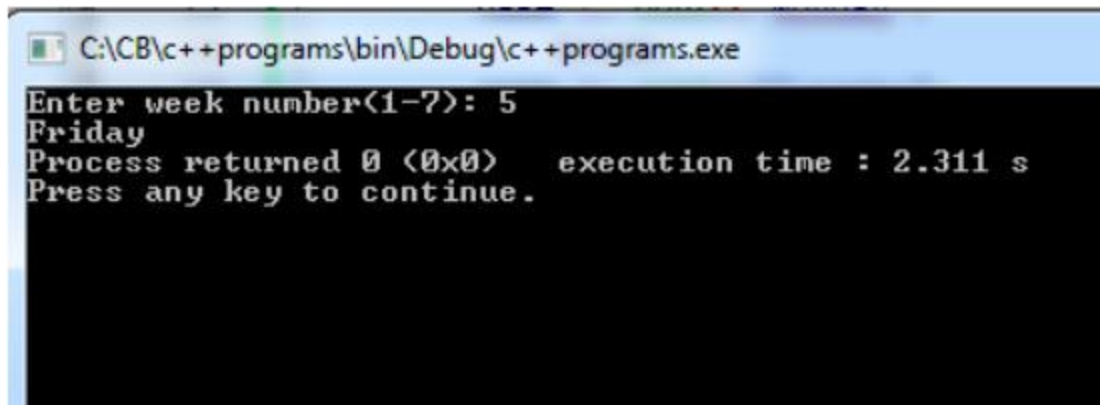
```
    useOfBreak();
```

```
    return 0;
```

```
}
```

4. Write a program to print day of week name using switch case.

```
#include <iostream>
using namespace std;
int main()
{
    int weeknumber;
    //Reading week no from user
    cout<<"Enter week number(1-7): ";
    cin>>weeknumber;
    switch(weeknumber)
    {
        case 1: cout<<"Monday";
        break;
        case 2: cout<<"Tuesday";
        break;
        case 3: cout<<"Wednesday";
        break;
        case 4: cout<<"Thursday";
        break;
        case 5: cout<<"Friday";
        break;
        case 6: cout<<"Saturday";
        break;
        case 7: cout<<"Sunday";
        break;
        default: cout<<"Invalid input! Please enter week no. between 1-7.";
    }
    return 0;
}
```

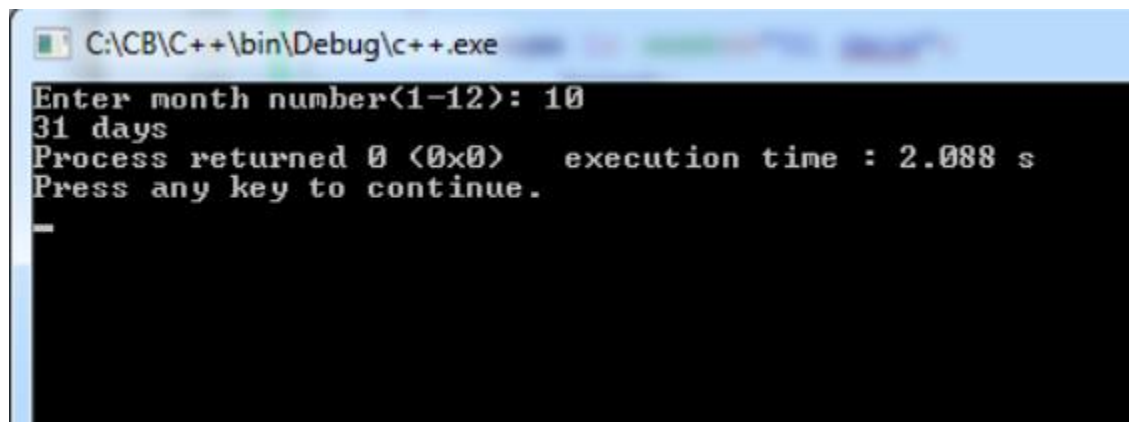
A screenshot of a Windows command prompt window. The title bar reads "C:\CB\c++programs\bin\Debug\c++programs.exe". The command prompt shows the user entering "5" for the week number, and the program outputs "Friday". Below this, it says "Process returned 0 (0x0) execution time : 2.311 s" and "Press any key to continue.".

```
C:\CB\c++programs\bin\Debug\c++programs.exe
Enter week number(1-7): 5
Friday
Process returned 0 (0x0) execution time : 2.311 s
Press any key to continue.
```

5. Write a program print total number of days in a month using switch case.

```
#include <iostream>
using namespace std;
int main()
{
    int monthnumber;
    cout<<"Enter month number(1-12): ";
    cin>>monthnumber;
    switch(monthnumber)
    {
        case 1: cout<<"31 days";
        break;
        case 2: cout<<"28 or 29 days";
        break;
        case 3: cout<<"31 days";
        break;
        case 4: cout<<"30 days";
        break;
        case 5: cout<<"31 days";
        break;
        case 6: cout<<"30 days";
        break;
        case 7: cout<<"31 days";
        break;
        case 8: cout<<"31 days";
        break;
        case 9: cout<<"30 days";
        break;
```

```
case 10: cout<<"31 days";  
break;  
case 11: cout<<"30 days";  
break;  
case 12: cout<<"31 days";  
break;  
default: cout<<"Invalid input!!! enter month number between 1-12";  
}  
return 0;  
}
```



The screenshot shows a Windows command prompt window with the title bar "C:\CB\C++\bin\Debug\c++.exe". The prompt displays the following text: "Enter month number(1-12): 10", "31 days", "Process returned 0 (0x0) execution time : 2.088 s", and "Press any key to continue.". A cursor is visible on the line "Press any key to continue.".