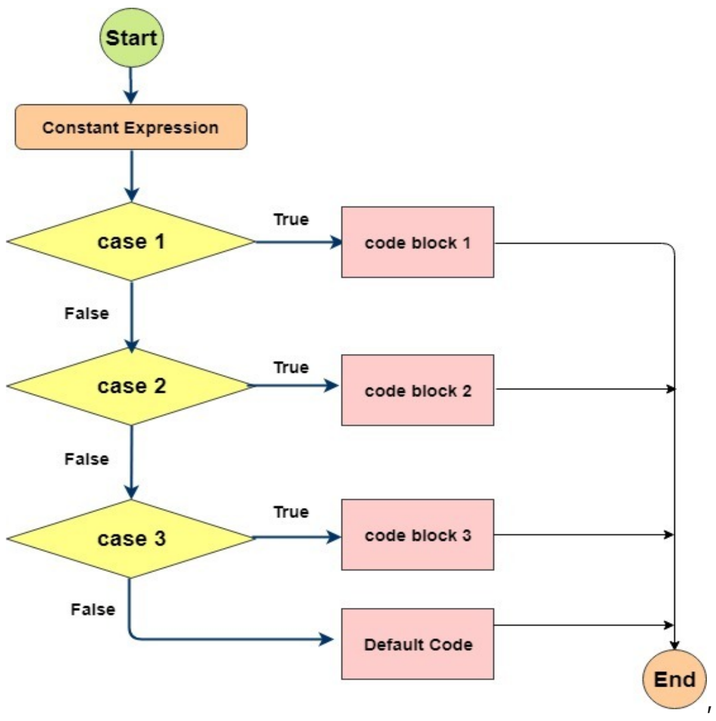
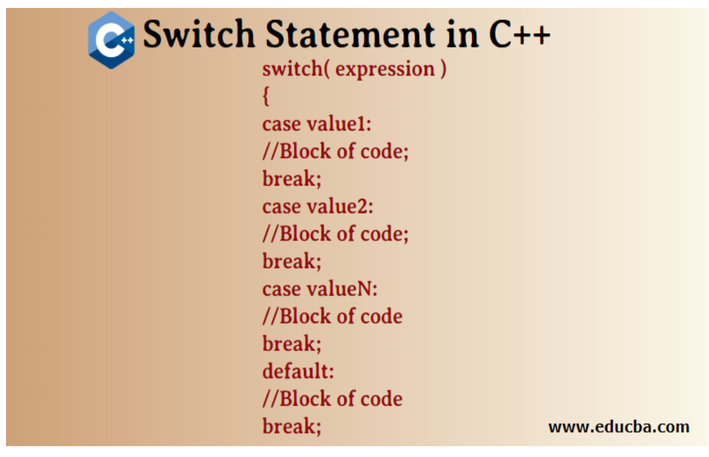
Branches

switch-case





Assignment 1: McDonalds Drive Through

Write a program that receives a costumer choice (Hamburger/Cheeseburger/Fries/Soda/Water) as an integer and outputs the price of the selected item.

Example 1: If the input is: 1 => The output is: "Hamburger is $4.00"

Example 2: If the input is: 2 => The output is: "Cheeseburger is $5.00"

Example 3: If the input is: 3 => The output is: "Fries is $3.00"

Example 4: If the input is: 4 => The output is: "Soda is $2.00"

Example 5: If the input is: 5 => The output is: "Water is $1.00"

Else: "Your choice is invalid! Run the program again!"

McDonaldsOrder.cpp > ...

```cpp
#include <iostream>
using namespace std;


int main() {
   int choice;

   cin >> choice;

    // Write your code here

    return 0;
    }
```

Assignment 1 Tests

Apply and report the results of all 6 different input examples 12 points.

Assignment 2: Geometry Calculator

Given a geometric choice (Circle/Rectangle/Triangle) as input, receive other related inputs based on the selected shape, and compute and output the area.

Example 1: If the input choice is: 1(Circle); Input radius : 4 => The output is: 4 *4* 3.14 = 50.24

Example 2: If the input choice is: 2(Rectangle); Input length and width : 5 3 => The output is : 5 * 3 = 15

Example 3: If the input choice is: 3(Triangle); Input base and height : 6 8 => The output is : 6 * 8 /2 = 24

Example 4: If the input is: 4(Quit) ; => The output is : "Program ending!"

Default: "The valid choices are 1 through 4! Run the program again. "

GeometryCalculator.cpp > main()

```cpp
#include <iostream>
using namespace std;

int main()
{
    // Constant for pi
    const double PI = 3.14159;

    int choice;     // User's shape choice
    double radius;  // Radius of a circle
    double length;  // Length of a rectangle
    double width;   // Width of a rectangle
    double base;    // Base of a triangle
    double height;  // Height of a triangle
    double area;    // Area of the selected shape

   // Write your code here
   // .....
   // .....


   return 0;
}

```

Assignment 2 Tests

Apply and report the results of all 5 different input examples 10 points.

Submissions

Note: Do not forget to submit both assignments to receive full credit.

1 - Name your C++ files FirstName_Lastname_McDonalds.cpp and FirstName_Lastname_Calculator.cpp

2 - Prepare your report in docx or pdf format and name it Firstname_Lastname.docx or Firstname_Lastname.pdf. Put both your assignments and corresponding tests in ONE report file.

3 - Add the screenshot of your code to the report. All tests should be performed and the result screenshot be included in the report.

Note: Make sure to have your report containing both explanatnations and screenshots.