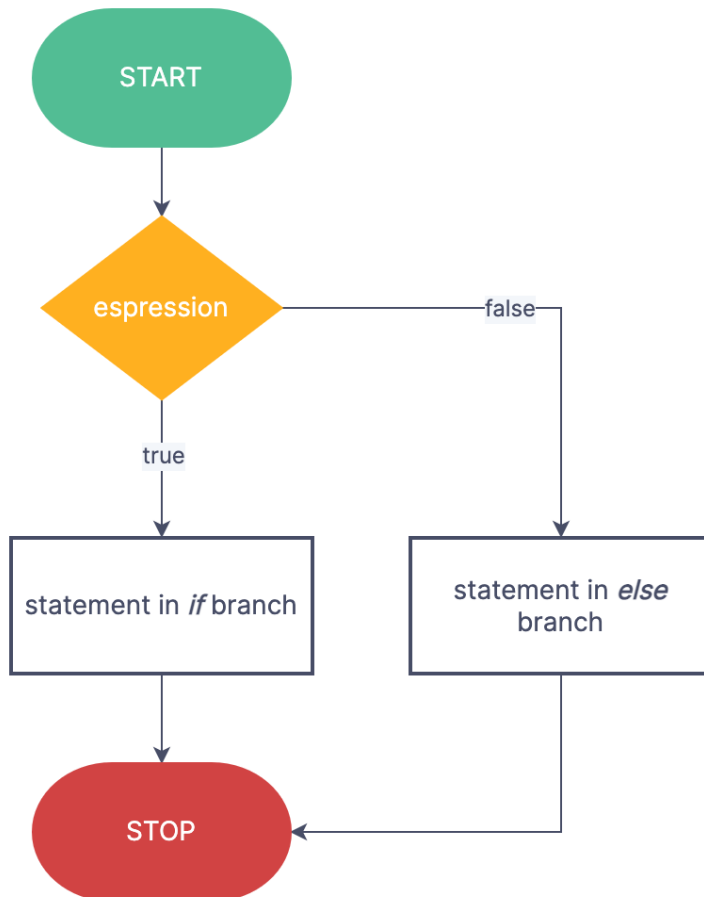


C++ worksheet



Code	Output
<pre>void main() { int x = 15; if (x > 10) cout << "x larger than 10"; }</pre>	
<pre>void main() { int x = 15; if (x > 10) cout << "x larger than 10"; else cout << "x less than 10"; }</pre>	

C++ worksheet

<pre>void main() { int x ; cin >> x; if (x > 10) cout << "x larger than 10"; else cout << "x less than 10"; } Assume the user enter the value of x = 75</pre>	
<pre>void main() { int age; cout << "Enter your age : "; cin >> age; if (age < 20) cout << "you are youth" << endl; else cout << "you are old" << endl; } Assume the user enter the age = 20</pre>	
<pre>void main() { int age; cout << "Enter your age : "; cin >> age; if (age <= 20) cout << "you are youth" << endl; else cout << "you are old" << endl; } Assume the user enter the age = 20</pre>	
<pre>void main() { int mark; cout << "Enter your mark : "; cin >> mark; if (mark >= 50) cout << "Pass" << endl; else cout << "Failed" << endl; } assume the user enter the mark = 55</pre>	
<pre>void main() { int mark; cout << "Enter your mark : ";</pre>	

C++ worksheet

<pre>cin >> mark; if (mark >= 50) cout << "Pass" << endl; else cout << "Failed" << endl; cout << "Bybye" << endl; }</pre> <p>assume the user enter the mark = 30</p>	
<pre>void main() { int mark; cout << "Enter your mark : "; cin >> mark; if (mark >= 50) cout << "Pass" << endl; else cout << "Failed" << endl; cout << "Bybye" << endl; }</pre> <p>assume the user enter the mark = 90</p>	
<pre>void main() { int mark; cout << "Enter your mark : "; cin >> mark; if (mark >= 35 and mark < 50) cout << "Failed" << endl; else if (mark >= 50 && mark < 67) cout << "Pass" << endl; else if (mark >= 67 && mark < 76) cout << "Good" << endl; else if (mark >= 76 && mark < 84) cout << "Very Good" << endl; else if (mark >= 84 && mark <= 100) cout << "Excellent" << endl; else cout << "Invalid Mark" << endl; }</pre> <p>Assume the user enter the mark = 75</p>	
<pre>void main() { int mark; cout << "Enter your mark : "; cin >> mark; if (mark >= 35 and mark < 50) cout << "Failed" << endl; else if (mark >= 50 && mark < 67) cout << "Pass" << endl;</pre>	

C++ worksheet

<pre> else if (mark >= 67 && mark < 76) cout << "Good" << endl; else if (mark >= 76 && mark < 84) cout << "Very Good" << endl; else if (mark >= 84 && mark <= 100) cout << "Excellent" << endl; else cout << "Invalid Mark" << endl; } </pre> <p>Assume the user enter the mark = 95</p>	
<pre> void main() { int mark; cout << "Enter your mark : "; cin >> mark; if (mark >= 35 and mark < 50) cout << "Failed" << endl; else if (mark >= 50 && mark < 67) cout << "Pass" << endl; else if (mark >= 67 && mark < 76) cout << "Good" << endl; else if (mark >= 76 && mark < 84) cout << "Very Good" << endl; else if (mark >= 84 && mark <= 100) cout << "Excellent" << endl; else cout << "Invalid Mark" << endl; } </pre> <p>Assume the mark = 150</p>	
<pre> void main() { int mark; cout << "Enter your mark : "; cin >> mark; if (mark >= 35 and mark < 50) cout << "Failed" << endl; else if (mark >= 50 && mark < 67) cout << "Pass" << endl; else if (mark >= 67 && mark < 76) cout << "Good" << endl; else if (mark >= 76 && mark < 84) cout << "Very Good" << endl; else if (mark >= 84 && mark <= 100) cout << "Excellent" << endl; else cout << "Invalid Mark" << endl; } </pre> <p>Assume the mark = 20</p>	

C++ worksheet

1. Write C++ code to convert temperature from Celsius to Fahrenheit.
2. Write C++ code to Swap Two Numbers without using temporary variable.
3. Take values of length and breadth of a rectangle from user and check if it is square or not.
4. Take two integers values from user and print greatest among them.
5. Write C++ code to find the number of years, weeks and days in the input days number
 - Example: 1329 day = 3 years, 33 weeks and 3 days.
 - Hint use %

C++ worksheet

6. Write C++ to find if the input year is a leap year or not,
 - Example: 2016 is a leap year.
7. Write C++ code to ask the user to enter any letter then check if it's vowel letter or not.

The vowel letters is (a , e , i , o , u)

8. Write C++ program to ask the user to input the temperature if the temperature is less than 25 then print "cold" else print "Hot".
9. Write C++ program to ask the user to enter the three angles then check if it's formed a triangle or not.
10. Write a C++ program to check if the last digit of the number is odd or even.

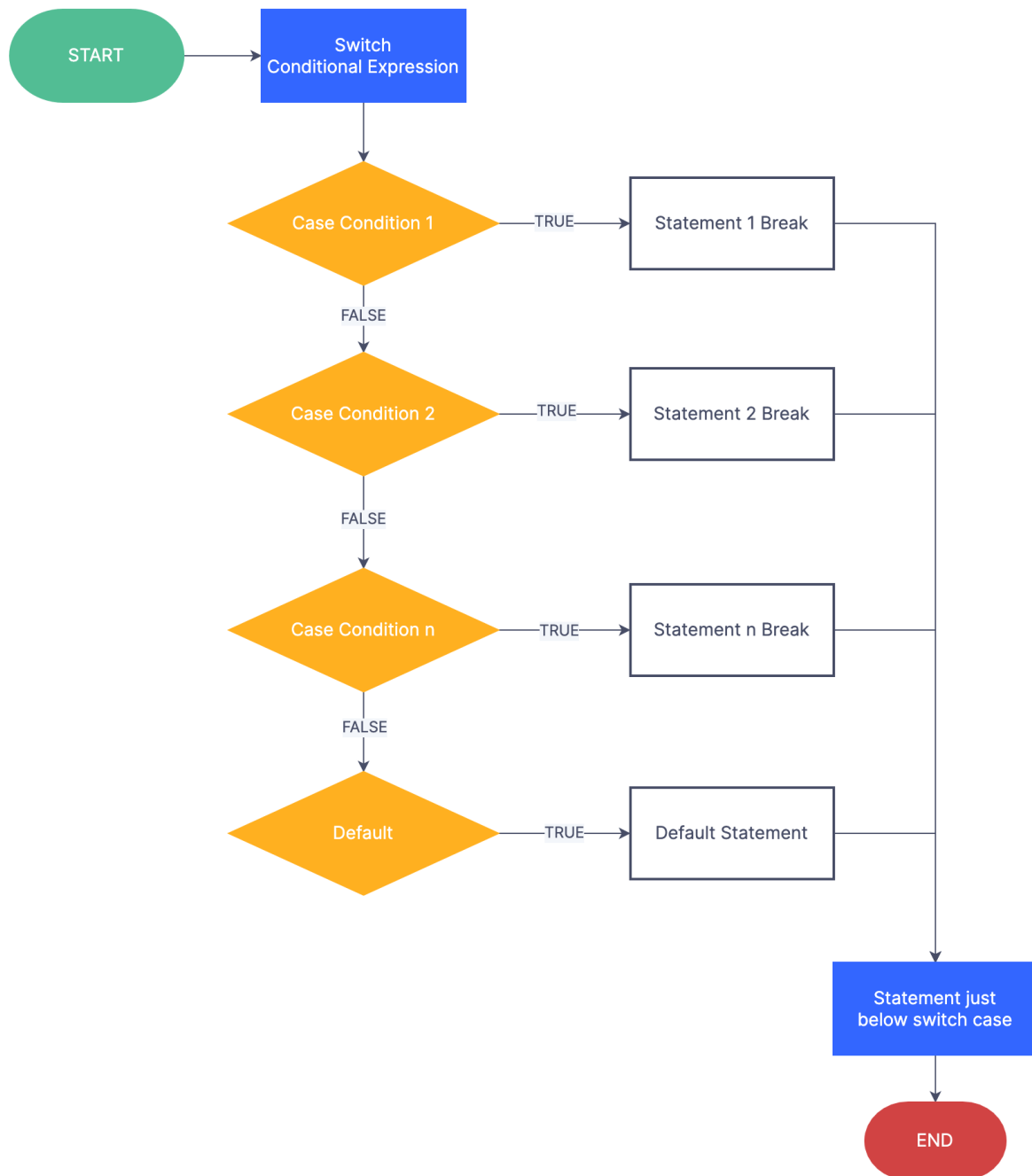


Solutions Development Kit (SDK).
IT Department
Introduction to Programming

C++ worksheet



Switch Case Flowchart



C++ worksheet

11. Write C++ program to make a simple calculator with these operations (+, -, *, /, %)

Ask the user to enter two numbers and the operator then print the result.

12. Write a c++ code to show a menu to the user , after user choose the item id print him the price.

Item	id	price
Apples	1	0.50 JD
Bananas	2	1.00 JD
Cherries	3	0.70 JD
Mangoes	4	2.00 JD
Papayas	5	2.00 JD