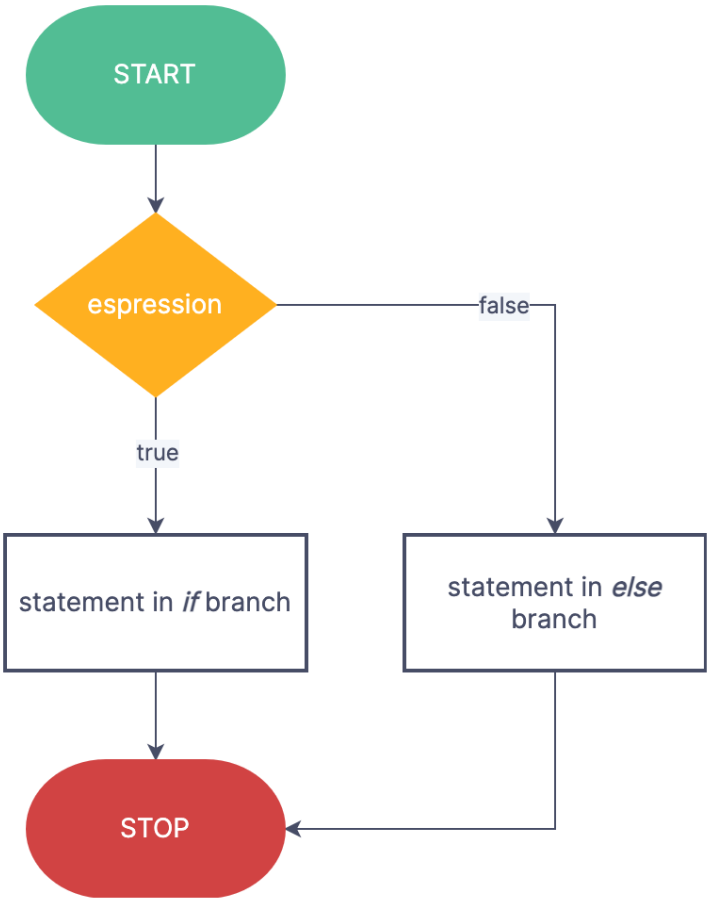
C++ worksheet



Code	Output

`void main()`
`{`
`  int x = 15;`
`  if (x > 10)`
`  cout << "x larger than 10";`
`}`
	x larger than 10

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

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`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`
	x larger than 10

`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`
	you are old

`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`
	you are youth

`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`
	Pass

`void main()`
`{`
`int mark;`
`cout << "Enter your mark : ";`	

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cin >> mark;
if (mark >= 50)
cout << "Pass" << endl;
else
cout << "Failed" << endl;
cout << "Bybye" << endl;
}
 	
assume the user enter the mark = 30
	Failed
	Bybye

void main()
{
int mark;
cout << "Enter your mark : ";
cin >> mark;
if (mark >= 50)
cout << "Pass" << endl;
else
cout << "Failed" << endl;
cout << "Bybye" << endl;
}
 	
assume the user enter the mark = 90
	Pass
	Bybye

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;
}
Assume the user enter the mark = 75
	Good

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;	

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`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;`
`}`
 	
`Assume the user enter the mark = 95`
	Excellent

`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;`
`}`
 	
`Assume the mark = 150`
	Invalid Mark

`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;`
`}`
`Assume the mark = 20`
	Invalid Mark

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 %

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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.

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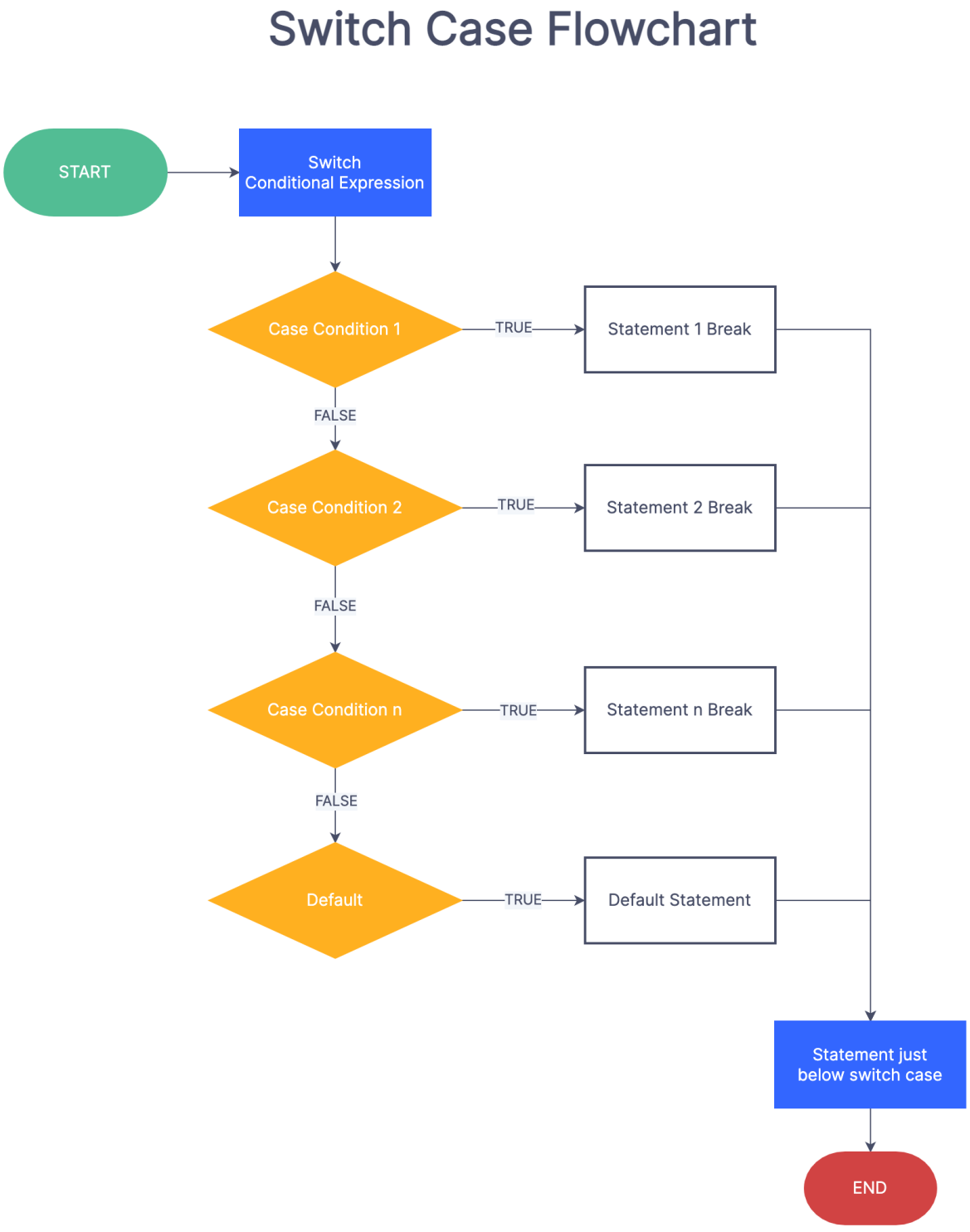
Switch Case Flowchart
START
Switch
Conditional Expression
Case Condition 1
TRUE
Statement 1 Break
FALSE
Case Condition 2
TRUE
Statement 2 Break
FALSE
Case Condition n
TRUE
Statement n Break
FALSE
Default
TRUE
Default Statement
Statement just
below switch case
END

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