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# Selection Statements

Q1: Write C++ program to read two integer numbers then print "multiple" or "not" if one number is a multiple to another number.

Q2: Write C++ program to read integer number and print the equivalent string.

**e.g:**  
0 → Zero  
1 → One  
2 → Two  
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Q3: Write C++ program to read a score of student and print the estimation to refer it.

**e.g:**  
100 - 90 → Exultant  
89 - 80 → Very good  
79 - 70 → Good  
69 - 60 → Middle  
59 - 50 → Accept  
49 - 0 → Fail

Q4: Write C++ program to represent a simple nested case (selector).

Q5: Write C++ program to compute the area of circle if the radius  $r=2.5$ .

**Note:** area of circle is  $r * r * pi$ ,  
 $pi$  is 3.14

Q6: Write C++ program to read an integer number and check if it is positive or negative, even or odd, and write a suitable messages in each case.

Q7: Write a program to read 3 numbers, and write the largest and smallest numbers.

Q8: Write C++ program to read an integer from 1 to 12, and print out the value of the corresponding month of the year.

Q9: Write C++ program to reads a character and print if it is digit (0..9), capital letter (A,B, ... ,Z), small letter (a, b, ... ,z), special character ( +, !, @, #, \, {, >, ... ).

Q10: Write C++ program to read x and compute the following:

$$Y = \begin{cases} \frac{x^2 + 5x - 20}{\sqrt{2x}} & \text{if } x > 0 \\ 0 & \text{if } x = 0 \\ x^2 + (5x)^2 - 10 & \text{if } x < 0 \end{cases}$$

Q11: Write C++ program to read 5 numbers and determine if the numbers sorted ascending or not.

Q12: Write C++ program to read two integer numbers, and read the operation to perform on these numbers.

Q13: Write a program to read X and print Sin X if X>0, square root X if X<0 and absolute X if X/2 is integer.