

## Beginner Problem Sheet 2

1. What is Control Statements and its types. REFER:  
<https://www.educba.com/control-statement-in-c-plus-plus/>.
2. Write a program to find greatest of 3 numbers using if-else, max() and ternary operator. Write separate programs and observe difference in each.
3. Write a program to test the type casting. (Refer:  
<https://www.javatpoint.com/type-casting-in-cpp> )
4. Write a menu driven program to convert temperature in
  - a. Celsius to Fahrenheit
  - b. Fahrenheit to Celsius.(Menu driven program means: you have to show options that user can perform and take input accordingly and then perform specific actions. )
5. Study a bit about centurion year and Leap year relation. REFER:  
<https://www.quora.com/What-is-the-function-of-a-leap-year-in-C-programming-withan-explanation> .Write a Program to check whether a Year is Leap or not.
6. Write a Program to find greatest among 4 using if-else. Minimise the number of if else if possible. Is the second approach better ? Think about it.
7. Write a program to input a two digit number and print its LSD.
8. Write a program to input a two digit number and print its LSB.

Write the Following code in an efficient manner.

```
if (x==0)
    y++;
if (x>0)
    y--;
if (x<0)
    y+=2;
```

9.

10. Write a Program to determine if the entered number is divisible by 2 or by 3 or by both.