IF, ELSE AND ELIF STATEMENTS

TESTING SET OF CONDITIONS

Q1. Write a program to check whether the given input number is divisible by 3 or else show a message "Number is not divisible by 3".

Q2. Write a program that checks whether the given input is an even number or an odd number.

Q3. Write an if/else statement with the following condition:
If the variable age is greater than 18, output "Old enough", otherwise output "Too young".

Q4. Write a program that prompts the user for their name, and then displays a special greeting to that person if their name is the same as yours. If the name entered by the user is anything other than your name, your code should not produce any output.

Q5. Write a program that takes a calendar year in YYYY format in a variable. Check & notify the user whether it is a leap year or not.

Q6. Write a   program that accept two integers and display the larger. Also show if the two integers are equal.

Q7. Write a program that takes input a number from user & state whether the number is positive, negative or zero.

Q8. Write a program that takes a character (i.e. string of length 1) and returns true if it is a vowel, false otherwise.

Q9. Use a **conditional (ternary) operator** for this exercise:
If the variable age is a value below 18, the value of the variable voteable should be "Too young", otherwise the value of voteable should be "Old enough".

Q10. Write a program that
- a) Store correct password in a variable.
- b) Asks user to enter his/her password
- c) Validate the two passwords:
    - i. Check if user has entered password. If not, then give message " Please enter your password"
    - ii. Check if both passwords are same. If they are same, show message "Correct! The password you entered matches the original password".
    - iii. Show "Incorrect password" otherwise.

Q11. Write a program that takes time as input from user in 24 hours clock format like: 1900 = 7pm. Implement the following case using if, else & else if statements

```
time = 1900

time >= 0000 && time < 1200  --true-->  "Good morning!"
  |false

time >= 1200 && time < 1700  --true-->  "Good afternoon!"
  |false

time >= 1700 && time < 2100  --true-->  "Good evening!"
  |false

time >= 2100 && time <= 2359  --true-->  "Good night!"
```