

## Assignment 6: More on Decision Control Statements

1. Write a program to check whether a given number is a three-digit number or not.
2. Write a program which takes the cost price and selling price of a product from the user. Now calculate and print the profit or loss percentage.
3. Write a program to take marks of 5 subjects from the user. Assume marks are given out of 100 and passing marks are 33. Now display whether the candidate passed the examination or failed.
4. Write a program to check whether a given alphabet is in uppercase or lowercase.
5. Write a program to check whether a given number is divisible by 3 and divisible by 2.
6. Write a program to check whether a given number is divisible by 7 or divisible by 3.
7. Write a program to check whether a given number is positive, negative, or zero.
8. Write a program to check whether a given character is:
  - an uppercase alphabet
  - a lowercase alphabet
  - a digit
  - or a special character
9. Write a program which takes the lengths of the three sides of a triangle as input. Display whether the triangle is valid or not.
10. Write a program which takes the month number as input and displays the number of days in that month.