# WORKSHEET

Q1. Write a program to make a calculator with the following operations:

   1. Accept values of two real numbers.
   2. Accept arithmetic operation to be performed out of '+','-','*','/','%'.

   And Display the result.

Q2.Write a program to display the Floor for the various items in a shopping mall on the basis of Age and gender entered by the user as per the table :

| AGE | GENDER | FLOOR |
|---|---|---|
| Age >=60 | M | 4 |
| Age >=20 and age <60 | M | 5 |
| Age >=10 and age <20 | M | 6 |
| Age < 10 | M | 3 |

Q3. Let the user input three numbers, now find out the largest number from the numbers entered by the user.

Q4. Write a program to take a 2-digit number and then print the reversed number.

Q5.Write a program to take two numbers and print if the first number is divisible by the second number or not.

Q6.Write a program to take a year as input and check if it is a leap year.

Q7. Write a program to input two numbers and then find which one is bigger or both are equal.

Q8. Write a program to input your percentage and then find the grade as follows:

| A | 81% - 100% |
|---|---|
| B | 61% - 80% |
| C | 41% - 60% |
| D | 0% - 40% |

Q9. Write a program to input the age of a person and check whether the person is eligible to vote or not.

Q10. Write a program to input a number and check whether it is negative or positive.

**Q11.** Write a program to calculate the electricity bill by inputting the value of CONSUMER NO., CONSUMER NAME, CONSUMER TYPE(DOMESTIC OR COMMERCIAL), ADDRESS, and UNITS CONSUMED.

| TYPE | UNITS | RATE/UNIT |
|---|---|---|
| DOMESTIC | 1 - 200 | Rs. 5 |
| | 201 - 400 | Rs. 7.50 |
| | > 400 | Rs. 10 |
| COMMERCIAL | 1 -200 | Rs. 10 |
| | 201 - 400 | Rs. 15 |
| | > 400 | Rs.20 |

**Q12.** Write a program to input a number and check whether it is divisible by 3.

**Q13.** Write a program to input a number and find whether the last digit is 7 or not.

**Q14.** Write a program to input a three-digit number and check whether it is a palindrome or not.

**Q15.** Write a program to input a number and check whether it is divisible by 2 and 5 both.

Q16. Write a program to input a number and check whether it is odd or even.

Q17. Write a program to input three numbers and display them in increasing order.

Q18. Write a program to input height and age and check whether the person can take a ride on a roller coaster. (height should be greater than 153cm)(do the above question using nested if conditions)

Q19. Write a program to enter a character and check whether it is an uppercase, lowercase, or a digit, or any other character.

Q20. Write a program to input a digit and print it in words.