1) Write a Program to reverse any digits number.

2) Write a Program to enter any digit number and swap first and last digit of a number.

   Ex — 12345

    Output — 52341

3) Write a program to enter any digit number and reverse middle number rather than first and last digit.

    Input — 12345

    Output — 14325

4) Write a program to enter any digit number Print its occurrence of digits.

   Ex — 12312345
    — 1 - 2
      2 - 2
      3 - 2
      4 - 1
      5 - 1

5) Write a program to enter any digit number and print number in words.

  Input — 12345

  Output — One two three four five.

1> Write a program to Calculate Electricity Bill as per following data :.

Units	Per unit charge
first 50 units.	Rs. 0.50 / unit.
next 100 units.	Rs 0.75/unit
next 100 units.	Rs .1.20/units
above 250 units.	Rs. 1.50/units

An additional surcharge 20% is added to the bill

6) Accept the age, gender ('M', 'F') no. of days and display the wages accordingly —

Age	gender	wage/day
>=18 and <30 _____ a _____	M	700
	F	750
>= 30 and <=40	M	800
	F	850
>=40 and <=50 _____ " _____	M	900
	F	950
above 50 and <=60	M/F	1000
above 60	—	should be retire from work and Take Rest.

7) A company insures its Employees in the following Cases —

1) If Employee is married.
2) If employee is Unmarried, male & above 30 yrs age
3) If employee is Unmarried, female & above 25 yrs age.

Write a program to enter age, gender and Marital status & check eligibility for Insurance.

3> Write a program to accept the cost price of a bike and display the road tax to be paid according to the following criteria:

Cost price (in Rs)	Tax
> 100000	15%
> 50000 and <= 100000	10%
<= 50000	5%

4> Accept the following from the user and Calculate the percentage of class attended:
1) Total no. of present days.
2) Total no. of days for absent.

If percentage less than 75% student will not be able to sit in exam.

5) Accept the no. of days from the user and Calculate the charge for library according to following:
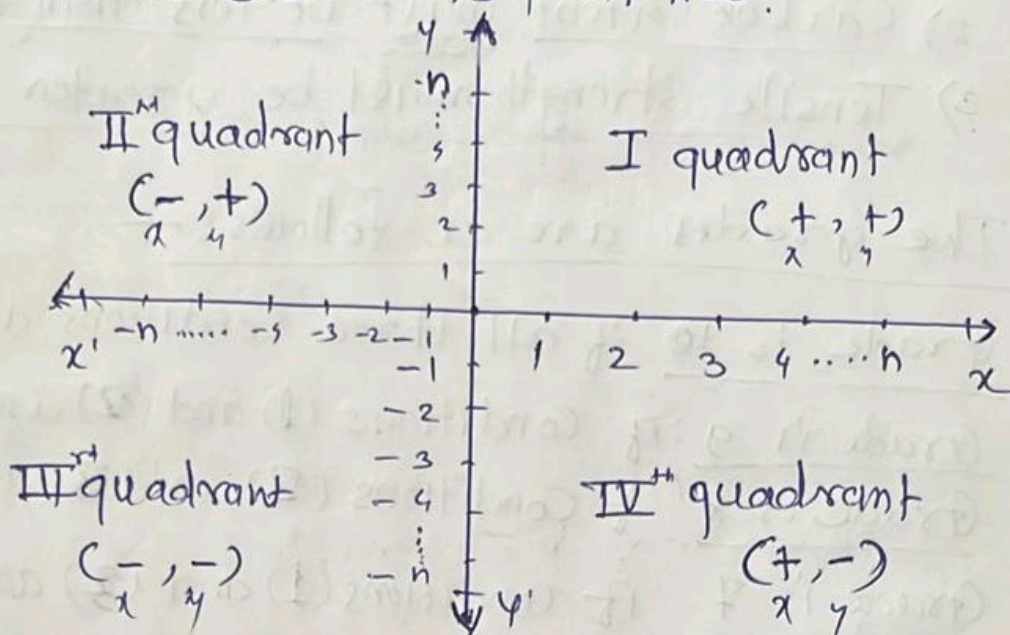
Till 5 days : Rs. 2/day.
6 to 10 days : Rs 3/day
11 to 15 days : Rs 4/day
After 15 days : Rs 5/day.

1) Write a program to accept a Coordinate points in an x y Coordinate system and determine in which quadrant the Coordinate point lies.

Input - 7, 9
Output - Ist quadrant

Input - -4, -6
Output - IIIrd quadrant

2) Write a program to determine eligibility for admission to a professional Course based on the following Criterria —

Marks in Maths >= 65 and Marks in phy >= 55 and Marks in Chem >= 50 and

Total in all three Subjects >= 190 or
Total in maths and Physics >= 140.

Input — 65, 51, 72
Total = 188
Total of maths & physics — 137
Output — Candidate is not eligible for admission.

8) Kirloskar Steel company wants to check Steel quality, according to following conditions :—

1) Hardness must be greater than 50
2) Carbon Content must be less than 0.7
3) Tensile Strength must be greater than 5600

The grades are as follows :—

- Grade is 10 if all three Conditions are met.
- Grade is 9 if Conditions (1) and (2) are met.
- Grade is 8 if Conditions (2) and (3) are ment.
- Grade is 7 if Conditions (1) and (3) are met.
- Grade is 6 if only one Condition is met.
- Grade is 5 If none of the Conditions are meet.

— Write a Program based on above information, accept input — hardness, Carbon Content, tensile Strength of a steel and display Grade

9) Based on following information write a program to determine working efficiency of Employee.

time taken to complete work	Efficiency level.
2 to 3 hrs	Highly efficient.
3 to 4 hrs	Ordered to improve speed.
4 to 5 hrs	give training to improve speed.
	Employee should leave