

Lalji Mehrotra Lions School

Managed By: Karnavati Lions Education Foundation

Subject: Computer

Half Yearly Project work

- 1. Write a program to find the maximum of three numbers using a conditional operator.
- **2.** Write a program to find the surface area of a rectangular prism.

Formula of prism= 2ab+2bc+2ac

Where a,b and c are the lengths of three sides.

3. Write a program to find the sum of digits of a number entered by user.

Example: Input: Enter a number to find sum of its digit: 457

Output : The sum is 16 (4+5+7)

4. Write a program to accept a two-digit number. Add the sum of its digits to the product of its digits. If the value is equal to the number input, output the message "Special 2-digit number" otherwise "Not a special 2-digit number".

Example: Input: Enter a number:59

Sum of digits= 5+9=14

Products of its digits = 5 * 9 = 45

Sum of the sum of digits and product of digits = 14 + 45 = 59

Output: Special 2-digit number

5. Write a program to check whether a number X is divisible by a number Y or not.

Example: Input : Enter value of $\ X:150$ Enter value of $\ Y:5$

Output: 150 is divisible by 5.

6. Write a program to input Passenger's name, Age ,City , Code of Bus and distance in KM . Calculate Total fair according to the code of a bus given below :

Code	Fair
D	15 ₹
R	20₹
W	30₹
С	40 ₹

Display All the information with proper formatting as output.

7. Write a program to input Student's name, Class ,City and Percentage . Find the Grade according to the given criteria :

Percentage	Grade
80 – 100	A
65-79	В
50-64	С
40-49	D
< 40	Е

Display all the information with proper formatting as output.

- 8. Write a program to enter your age and using nested if condition, check the following:
 - If age < 18 then print "You are Minor and not eligible to vote".
 - If age >=18 and age <= 60 then print "You are young and eligible to vote".
 - Otherwise print "You are a senior citizen person given special care to vote".
- 9. Write a program to input a number and check whether it is a Buzz number or not.

A number is said to be Buzz number if it ends with 7 or is divisible by 7.

Example: Input: Enter a number: 1007
Output: It is a Buzz number.

10.	Write a program to	enter the time i	n minutes and	print the foll	lowing output :
		hours	min		

Example: Input: Enter the time in minutes: 90

Output: 1 hour 30 min