

PROGRAMMING PROBLEM – SET 3

Question 1: - Write a program to read age of a candidate and determine whether it is eligible for casting his/her vote.

Question 2: - Write a program to accept the height of a person in centimetres and categorized the person according to their height.

Question 3: - Input ten number and find out the largest one.

Question 4: - Input any day number and display its equivalent Day Name.

If Day number is 1 then it Print Monday.

If Day number is 2 then it Print Tuesday.

If Day number is 3 then it Print Wednesday.

If Day number is 4 then it Print Thursday.

If Day number is 5 then it Print Friday.

If Day number is 6 then it Print Saturday.

If Day number is 7 then it Print Sunday.

If Day number is other than above number then it Print Invalid Day.

Question 5: - Input any three number and display which one is largest with appropriate message. Let us take some example and required message.

N1	N2	N3	Result
5	5	5	All Three Number are Equal
5	5	2	First and Second Number are largest
5	2	5	First and Third Number are largest
2	5	5	Second and Third Number are largest
2	6	5	Second Number is Largest
6	2	5	First Number is Largest
2	5	6	Third Number is Largest

Question 6: - If cost price and selling price of an item is input through the keyboard, write a program to determine whether the seller has made profit or incurred loss. And also determine how much profit he made or loss he incurred.

Question 7: - Any year is input through the keyboard. Write a program to determine whether the year is a leap or not.

Question 8: - Input two number and check first number is divisible by second number.

Question 9: - According to the Gregorian calendar, it was Monday on the date of 01/01/1900. If any year is input through the keyboard, write a program to find out the what is the day on 1st January of this year.

Question 10: - If five-digit number is entered through keyboard. Write a program to obtained the reversed number and to determine whether the original and reversed numbers are equal or not.

Question 11: - If the ages of Ram, Shyam and Ajay are input through the keyboard. Write a program to determine the youngest of the three and display his name.

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Question 12: - Write a program to check whether a triangle is valid or not. When the three angles of triangle are entered through the keyboard. A triangle is valid if the sum of all the three angles is equal to 180 degrees.

Question 13: - Find the absolute value of a number entered through the keyboard.

Question 14: - Input length and breadth of a rectangle, write a program find whether the area of the rectangle is greater than its perimeter.

Question 15: - Input three points (x1,y1), (x2,y2) and (x3,y3). Write a program to check if all the three points fall on the straight line or not.

Question 16: - Input the coordinates (x,y) of a center of a circle and its radius. Input another point (x1,y1). Write a program to check given point lies inside the Circle, on the Circle or outside the Circle.

Question 17: - Input a point (x,y), write a program to find out if it lies on the x-axis, y-axis or at the origin.

Question 18: - Write a program to accept a coordinate point in XY coordinate system and determine in which quadrant the coordinate point lies.

Question 19: - Write a program to calculate the root of a quadratic equation.

Question 20: - Write a program to read temperature in centigrade and display a suitable message according to temperature state below:

temperature < 0 then freezing weather

temperature between 0 and 10 then Very Cold Weather

temperature between 10 and 20 then Cold Weather

temperature between 20 and 30 then Normal Weather

temperature between 30 and 40 then Its hot Weather

temperature >= 40 then Its very hot weather

Question 21: - Write a Program to check whether given number is multiple of 3 or 7

Question 22: - Write a Program to calculate and print the Electricity bill of a given customer. The Customer ID and unit consumed by the user should be taken from the keyboard and display the total amount to pay by the customer. The charge are as follows:

Unit	Charge Per Unit
Upto 199	@1.20
200 and above but less than 400	@1.50
400 and above but less than 600	@1.80
600 and above	@2.00

If bill exceeds Rs. 400 then a surcharge of 15% will be charged and the minimum bill should be of Rs. 200.

Question 23: - Write a program to check whether given character is vowel or not.