

Velammal College of Engineering and Technology, Madurai
Department of Computer Science and Engineering

Object oriented programming lab

Exercise 1

Team 1

1. Find Maximum of 2 nos. and get the input through command line argument.
2. Write a program to display a greet message according to Marks obtained by student.
3. Write a program to Concatenate string using for Loop
Example: Input - 5
Output - 1 2 3 4 5
4. Find the smallest and largest and smallest in given array.
5. Write a program to prompt the user to enter a number and then it should print that number is prime or not

Team 2

1. Find Minimum of 2 nos. And get the input through command line argument.
2. Write a program to find SUM AND PRODUCT of a given Digit
3. Write a program to convert given no. of days into months and days.
(Assume that each month is of 30 days)
Example :
Input - 69
Output - 69 days = 2 Month and 9 days
4. Write a program to display a greet message according to Marks obtained by student using switch case. Condition: 10 (Excellent)
9-8 (very good)
7-6 (Good)
5-3 (poor)
2-0 (very poor)
5. Write a simple java application to output given number have 1 digit, 2 digit or 3 digits

Team 3

1. Find Minimum of 2 nos. using conditional operator.
2. Write a program to find sum of all integers greater than 100 and less than 200 that are divisible by 7

3. Write a program to generate Harmonic Series.

Example: Input – 5

Output - $1 + 1/2 + 1/3 + 1/4 + 1/5 = 2.28$ (Approximately)

4. Write program to convert digit into words.

Example : Input – 124

Output - One Two Four

5. Write a java program to check whether given number is palindrome or not

Team 4

1. Write a Java program that prompts the user for an integer and then prints out all prime numbers up to that Integer.
2. Write a java program to find whether the number is odd or even numbers in an array.
3. Write a program to generate 5 Random nos. between 1 to 100, and it should not follow with decimal point.
4. Write a program that will read a float type value from the keyboard and print the following output.
->Small Integer not less than the number.
->Given Number.
->Largest Integer not greater than the number.
5. Write a program to search a given number in an array

Team 5

1. Find Minimum of 2 nos. using conditional operator.
2. Write a Java program to calculate the revenue from a sale based on the unit price and quantity of a product input by the user.
The discount rate is 10% for the quantity purchased between 100 and 120 units, and 15% for the quantity purchased greater than 120 units. If the quantity purchased is less than 100 units, the discount rate is 0%. See the example output as shown below:
Enter unit price: 25
Enter quantity: 110
The revenue from sale: 2475.0
After discount: 275.0(10.0%)
3. Count the numbers from 1 to n that have 5 as a digit.
4. Write a program to Concatenate string using for Loop
Example: Input - 5
Output - 1 2 3 4 5

5. Write a program that prints the sum of odd and even integers that are stored in an array

Team 6

1. Write a program to display a greet message according to Marks obtained by student using switch case. Condition: 10 (Excellent)
9-8 (very good)
7-6 (Good)
5-3 (poor)
2-0 (very poor)
2. Find the smallest and largest in given array.
3. Write a program to find sum of all integers greater than 100 and less than 200 that are divisible by 7
4. Write a Java program to swap two variables.
5. Write a java program to check whether the given number is Armstrong or not.

Team 7

1. Write a java program to search a number in given number.
2. Write a Java program to find the distance travelled by light in specified no of days.
3. Write a Java program to calculate the revenue from a sale based on the unit price and quantity of a product input by the user.
The discount rate is 10% for the quantity purchased between 100 and 120 units, and 15% for the quantity purchased greater than 120 units. If the quantity purchased is less than 100 units, the discount rate is 0%. See the example output as shown below:
Enter unit price: 25
Enter quantity: 110
The revenue from sale: 2475.0
After discount: 275.0(10.0%)
4. Write a program to find sum of all integers greater than 100 and less than 200 that are divisible by 8.
5. Write a program to check whether the array contains duplicate elements