

PRACTICE QUESTIONS – WHILE LOOP

1. Write a program to read a number from the user and to find the product of all the digits of the number.
Example: If the number is 523
Output : The product of all digits 30
2. Write a program to read a number from the user and to check if the number is a palindrome.
Example : If the number is 321
Output: It is not a palindrome
Example: If the number is 56265
Output: It ia a palindrome
3. Write a program to read a number from the user and to sum up all the odd and even digits of the number
Example : If the number is 32145
Output:
Sum of all odd digits 9
Sum of all even digits 6
4. Write a program to read a number from the user and to check if the number is an Armstrong number.
[Hint : A number is an said to be an Armstrong number if the sum of the cube of the digits of the number is equal to the number.]
Example 371 is an Armstrong number as $3^3+7^3+1^3=371$
5. Write a program to read numbers from the user as long as he wishes to enter a number and find the factorial of all those numbers.
6. Write a menu driven program to calculate the area of a square, rectangle and circle depending upon the user's choice.
7. Write a program to display Armstrong numbers from 300 to 400.