

Object Oriented Programming

Assignment No. 01

1. Consider an integer Z, print its first 10 multiples. Each multiple through i where $0 < i < 11$, should be printed on a new line as: Z x i=value.

Constraints:

$$5 < Z < 41$$

2. Arjun would like to withdraw X Rs. from an ATM. The cash machine will only accept the transaction if X is a multiple of 5, and Pooja's account balance has enough cash to perform the withdrawal transaction (including bank charges). For each successful withdrawal the bank charges 0.50 Rs. Calculate Pooja's account balance after an attempted transaction.
3. Write a program to print the names of students by creating a Student class. If no name is passed while creating an object of Student class, then the name should be "Unknown", otherwise the name should be equal to the String value passed while creating object of Student class.
4. Take 10 integer inputs from user and print the following:
number of positive numbers
number of negative numbers
number of odd numbers
number of even numbers
number of 0s.

Note:

1. The assignment questions should be submitted in PDF format in the classroom
2. Each caselet should be solved individually and suitable assumptions made for it should be specified along with the code.
3. Output screenshot should be pasted below the code compulsorily.