

## Lab assignment-9

Q1. Create a class to perform arithmetic operations like addition, subtraction, multiplication and division. The attributes of the class are number1 and number2.

Q2. Create a class to perform basic bank operations like deposit(amount), withdraw(amount) and display details. The attributes of the class are account holder's name, account number, balance amount.

Q3. Create a class to calculate employee salary. The attributes of the class are emp\_id, name, basic salary and gross salary. The operations are input details, display details, calculate gross salary based on the following calculation: gross salary=basic salary+HRA+DA where HRA is 40% of basic salary and DA is 60% of basic salary

Q4. Create a class to calculate student grade. The attributes of the class are name, registration number, mark and grade. The operations are input details, display details, calculate grade based on the following condition:

Grade =O if mark $\geq$ 90

Grade =A if 90 $>$ mark $\geq$ 80

Grade =B if 80 >mark $\geq$ 70

Grade =C if 70 >mark $\geq$ 60

Grade =D if 60 >mark $\geq$ 50

Grade =E if 50>mark $\leq$ 40

Grade =F if mark<40

Q5. Create a class to manage library books. The attributes of the class are book name, author(s) name, ISBN number, number of pages and price. The operations are input details, display details, add books and remove books.