

Software Development & Construction

LAB 2

Task. 1: Recall the “**Calculator**” class to add, subtract, multiply, & divide numbers from the last session and update said functions for following arguments type being passed.

- Integer
- Float
- String
- Integer Array[1,2,3]
- String Array[“1”, “2”, “3”]

Exp:

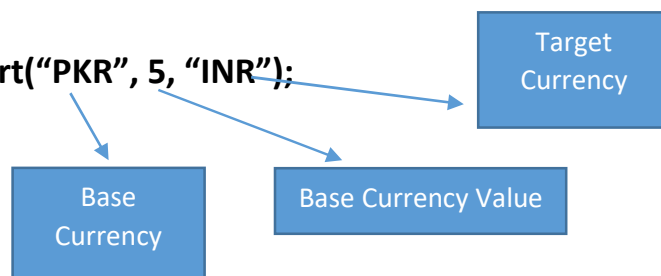
```
Calculator.Add(1,2);  
Calculator.Add(1.0,2.4);  
Calculator.Add(“1”,“2”);  
Calculator.Add(Arr1)  
Calculator.Add(1,2,3)  
Calculator.Add(“1”,“2”,“3”)
```

Task. 2: Make a “**CurrencyConverter**” class and write a static function named “convert”. Save currency values in an array.

Currency Values (For USD):

1\$	236 PKR
1\$	0.88 Pound
1\$	3.67 Dirham
1\$	79 INR
1\$	104 BDT
1\$	142 JPY

Exp: **CurrencyConverter.convert(“PKR”, 5, “INR”);**



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Task. 4: Modify the **Alphabet Task** from last session by plotting the word “KING” into a 2D (10 X 10) array using nested for loop.

Exp:

Print “F”

1 1 1 1 1 1 1 1 1 1

1 0 0 0 0 0 0 0 0 0

1 0 0 0 0 0 0 0 0 0

1 0 0 0 0 0 0 0 0 0

1 1 1 1 1 1 1 1 1 1

1 0 0 0 0 0 0 0 0 0

1 0 0 0 0 0 0 0 0 0

1 0 0 0 0 0 0 0 0 0

1 0 0 0 0 0 0 0 0 0