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Q1#Make a calculator using Python with addition , subtraction ,multiplication ,division and power

```
num1=int(input("Enter the first number: "))
num2=int(input("Enter the second number: "))
print("Enter the operator you want to perform");
operator=input("Enter any operator for operation +, -, *, /, ** ")
result=0
if operator=='+':
    result=num1+num2;
elif operator=='-':
    result=num1-num2;
elif operator=='*':
    result=num1*num2;
elif operator=='/':
    result=num1/num2;
elif operator=='**':
    result=num1**num2;
else:
    print("Your input is not supported");
print(num1,operator,num2," : ",result)
```

out put

```
Enter the first number: 2
Enter the second number: 3
Enter the operator you want to perform
Enter any operator for operation +, -, *, /, **
2 + 3 : 5
```

Q2. Write a program to check if there is any numeric value in list using for loop

```
numeric_value = [ 1, 2, 3, 4, 5]
```

```
input1=int(input("Enter input do you want to check is exit in list using for loop "))
```

```
# print("Checking if input exists in list")
```

```
for i in numeric_value:
```

```
    if(i == input1):
```

```
        print ("Element Exists")
```

```
        break
```

```
else:
```

```
    print("not exist")
```

#Q3#Write a Python script to add a key to a dictionary

```
dictionary={1:10, 2:20, 3:30,'key':'junaid'}
```

```
dictionary[4]=40
```

```
print(dictionary)
```

output

```
{1: 10, 2: 20, 3: 30, 'key': 'junaid', 4: 40}
```

Q4#Write a Python program to sum all the numeric items in a dictionary

```
my_dict_sum = {'data1':10,'data2':20,'data3':30}
```

```
print("result all numeric sum",sum(my_dict_sum.values()))
```

```
result all numeric sum 60
```

#Q5Write a program to identify duplicate values from list

```
list1=[1,2,3,4,5,6,7,8,9,1,2,3,4]
```

```
result1=[]
```

```
for i in list1:
```

```
    if i not in result1:
```

```
        result1.append(i)
```

```
    else:
```

```
        print(i)
```

output

```
1
2
3
4
```

#Q6-Write a Python script to check if a given key already exists in a dictionary

```
dictionary = {
```

```
    "Hafiz": "1",
```

```
    "Junaid": "2",
```

```
    "Ahmed": "3",
```

```
    "Ansari": "4",
```

```
}
```

```
key=input("enter iput do you want to chek given value exist or not")
```

```
if key in dictionary:
```

```
    print("Key exists in a list")
```

```
else:
```

```
    print("Key does not exist")
```