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Lab 2 Activity 1 loop

```
mylist=[]
for i in range (5):
    val=input("Enter a value")
    mylist.append (val)

print ("The given list is")
print (mylist)

Enter a value1
Enter a valueMango
Enter a valueFruit
Enter a valuepakistan
Enter a value1947
The given list is
['1', 'Mango', 'Fruit', 'pakistan', '1947']
```

Activity 2 Display sum of integer values

```
mylist=[]
for i in range (5):
    val=input("enter a value")
    n=int (val)
    mylist.append(n)

sum=0
for n in mylist:
    sum=sum+n
print("the value of the given sum is",sum)
```

```
enter a value1
enter a value2
enter a value3
enter a value4
enter a value5
The sum of the given value is 15
```

Activity 3 „5 value in assending order

```
mylist=[]
for i in range (5):
    val=input("enter your value")
    n=int(val)
    mylist.append(n)

mylist.sort()
print(mylist)
```

```
enter your value1
enter your value2
enter your value3
enter your value4
enter your value5
[1, 2, 3, 4, 5]
```

Activity 4 join two list

```
mylist1=[]
print("enter the value of first object")
for i in range(5):
```

```

val=input("enter your value")
n=int(val)
mylist1.append(n)

mylist2=[]
print("enter the value of second object")
for i in range (5):
    val=input("enter your value")
    n=int(val)
    mylist2.append(n)

mylist3=mylist2+mylist1
print(mylist3)

```

```

enter the value of first object
enter your value2
enter your value2
enter your value2
enter your value2
enter your value2
enter the value of second object
enter your value2
enter your value3
enter your value2
enter your value3
enter your value2
[2, 3, 2, 3, 2, 2, 2, 2, 2, 2]

```

Activty 5 accept list and find required element

```

mylist=[]
for i in range (5):
    val=input("enter your value")
    n=int(val)
    mylist.append(n)
print(mylist)
s=input("enter a vluue to find in the list")
n=int(s)
found=n in mylist
if found==True:
    print("found")
else:
    print("Not found")

```

```

enter your value1
enter your value2
enter your value3
enter your value4
enter your value5
[1, 2, 3, 4, 5]
enter a vluue to find in the list3
found

```

Activity 6

```

def say_hello (name):
    print("hello",name)

for i in range (3):
    val=input('enter name')
    say_hello(val)

```

```

enter namekaleem
hello kaleem
enter nameabid
hello abid
enter nameali hassan
hello ali hassan

```

Activity 7

```
def isPalindrome (word):  
    temp=word[::-1]  
    if temp.capitalize()== word.capitalize():  
        return True  
    else:  
        return False  
print (isPalindrome("deed"))
```

True

```
def isPalindrome (word):  
    temp=word[::-1]  
    if temp.capitalize()== word.capitalize():  
        return True  
    else:  
        return False  
print (isPalindrome("deede"))
```

False

