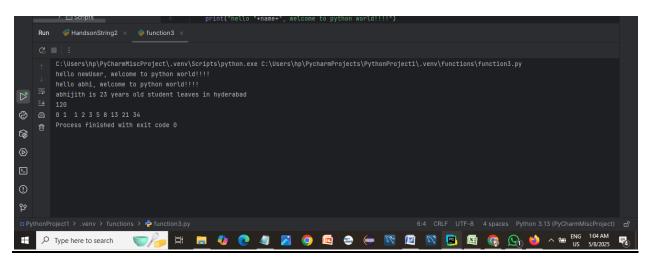
Hands-on_Funcions

```
print(sqr(4))
def add(a,b):
print(add(4,5))
    if (a>b):
         if (a>c):
greatest (60, 400, 25)
```

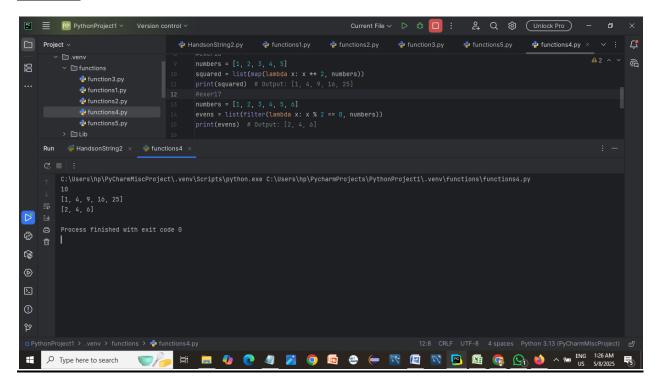
```
def evenOrOdd(n):
    if(n%2==0):
evenOrOdd(11)
        if(n%i==0):
             temp=1
    if (temp == 0):
isPrime(8)
def fact(n):
sumOfList([1,2,3,4,5,6])
    print(max(list b))
```

```
greet()
greet("abhi")
def studDetails(name, age, city):
def fact(n):
    if(n==0):
    return n*fact(n-1)
def feb(a,b,n):
    if (n==0):
    return feb (b, a+b, n-1)
b=1
print("0 1 ",end=" ")
feb(a,b,n-2)
```



```
'''Exercise 15: Use a lambda function to double a number
# Exercise 16: Use `map()` to square all numbers in a list
# Exercise 17: Use `filter()` to get even numbers from a list'''

#exer16
double = lambda x: x * 2
print(double(5)) # Output: 10
#exer16
numbers = [1, 2, 3, 4, 5]
squared = list(map(lambda x: x ** 2, numbers))
print(squared) # Output: [1, 4, 9, 16, 25]
#exer17
numbers = [1, 2, 3, 4, 5, 6]
evens = list(filter(lambda x: x * 2 == 0, numbers))
print(evens) # Output: [2, 4, 6]
```



```
"''Exercise 18: Write a function that returns True if a string is a
palindrome
# Exercise 19: Write a function to count vowels in a string
# Exercise 20: Write a function that takes a string and returns a dictionary
with character counts'''
#exer18
def ispal(string):
    if(string==string[::-1]):
        print("is palindrome")
    else:
        print("not a palindrome")
ispal("sagas")
ispal("abhijith")
#exer19
def countVovel(string):
    count=count+1
    print("total count of vovels in "+string+" is "+str(count))
countVovel("abhijithsai")
#exer20
def createdict(string):
    dict_a={}
    for i in string:
        if i in dict_a:
              dict_a[i]=dict_a[i]+1
        else:
              dict_a[i]=1
        print(dict_a)
createdict("abhijithsai")
```

