

ASSIGNMENT-3

1 ANS:

```
SkillSanta_Dict={
    "name":"sachin",
    "age":22,
    "salary":6000,
    "city":"New Delhi"
}
SkillSanta_Dict["city"]="Hyderabad"
print(SkillSanta_Dict)
```

OUTPUT:

```
{'name': 'sachin', 'age': 22, 'salary': 6000, 'city': 'Hyderabad'}
```

2 ANS:

```
def CountFrequency(My_list):
    freq = {}
    for item in My_list:
        if (item in freq):
            freq[item] += 1
        else:
            freq[item] = 1

    for key, value in freq.items():
        print(f"{key}:{value}")

My_list = [11,45,8,11,23,45,23,45,89]
CountFrequency(My_list)
output:
{
    11 : 2
    45 : 3
    8 : 1
    23 : 2
    89 : 1
}
```

3ANS:

```
def Remove(duplicate):
    final_list = []
    for num in duplicate:
        if num not in final_list:
            final_list.append(num)
    return final_list
duplicate = [87,45,41,65,94,41,99,94]
print(Remove(duplicate))
print("Min:",Min(Remove(duplicate)))
print("Max :",Max(Remove(duplicate)))
```

OUTPUT:

```
[87, 45, 41, 65, 94, 99]
Min:41
Max:99
```

4ANS:

```
def showEmployee(name, salary=9000):  
    print("Employee", name, "salary is:", salary)
```

```
showEmployee("Eddy", 9000)  
showEmployee("Eddy")
```

OUTPUT:

```
Employee Eddy salary is: 9000  
Employee Eddy salary is: 9000
```

5ANS:

```
def outerFun(a, b):  
    square = a**2  
    def innerFun(a,b):  
        return a+b  
    add = innerFun(a, b)  
    return add+5
```

```
result = outerFun(5, 10)  
print(result)
```

OUTPUT:

20

6ANS:

```
nterms = int(input("How many terms? "))  
n1, n2 = 0, 1  
count = 0  
if nterms <= 0:  
    print("Please enter a positive integer")  
elif nterms == 1:  
    print("Fibonacci sequence upto",nterms,":")  
    print(n1)  
else:  
    print("Fibonacci sequence:")  
    while count < nterms:  
        print(n1)  
        nth = n1 + n2  
        n1 = n2  
        n2 = nth  
        count += 1
```

OUTPUT:

How many term? 9

0

1

1

2

3

5

8

13

21

7ans:

```
def displayStudent(name, age):  
    print(name, age)
```

```
displayStudent("sridhar", 22)
```

```
showStudent = displayStudent  
showStudent("sridhar", 22)
```

OUTPUT:

```
sridhar 22  
sridhar 22
```

8ANS:

```
Mobile=1234567890  
user_input=(input("enter your mobile number:"))  
if Mobile==int(user_input):  
    print("sucess")
```

else:

```
    print("please give correct number")
```

output:

```
enter your mobile number:1  
please give correct number
```

9ANS:

```
def string_test(s):  
    d={"UPPER_CASE":0, "LOWER_CASE":0}  
    for c in s:  
        if c.isupper():  
            d["UPPER_CASE"]+=1  
        elif c.islower():  
            d["LOWER_CASE"]+=1  
        else:  
            pass  
    print ("Original String : ", s)  
    print ("No. of Upper case characters : ", d["UPPER_CASE"])  
    print ("No. of Lower case Characters : ", d["LOWER_CASE"])
```

```
string_test('The quick Brown Fox')
```

OUTPUT:

```
Original String :  The quick Brown Fox  
No. of Upper case characters :  3  
No. of Lower case Characters :  13
```

10ANS:

```
def perfect_number(n):  
    sum = 0  
    for x in range(1, n):  
        if n % x == 0:  
            sum += x  
    return sum == n  
print(perfect_number(6))
```

OUTPUT:6