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NAME OF THE EXPERIMENT

Date :

Ex. No. : 76

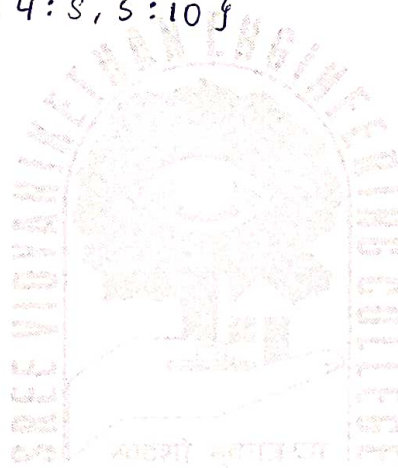
Aim: To Write a python program to generate a dictionary that
Contains numbers between 1 & n in form of (i, i+1)

Source

```
Code: n = int(input("Enter n : "))  
L = { }  
for i in range(1, n+1):  
    L[i] = i+1  
print(L)
```

Output: Enter n : 5

{ 1: 2, 2: 3, 3: 4, 4: 5, 5: 6 }



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Ex. No. : 72

Aim : To Write a python program to Read n student details and add them to nested list and Convert to dictionary.

```
Code: n = int(input("enter no of student details to be taken :"))
L1 = ['Name', 'Roll no']
final = {}
for i in range(1, n+1):
    l = [x for x in input("Enter student details :").split(' ')][:3]
    Lib = zip(L1, l)
    final[i] = dict(Lib)
print(final)
```

Output : Enter no of student details to be taken : 3
enter student details : Tanveez 21121A3540
enter student details : Shaziya 21121A3515
enter student details : Naveen 21121A3504
{ 1 : {'name': 'Tanveez', 'Roll': '21121A3540'}, 2 : {'name': 'Shaziya', 'Roll': '21121A3515'}, 3 : {'name': 'Naveen', 'Roll': '21121A3504'} }

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Ex. No. : 6

Aim : To write a python program to implement

i. Decimal to binary Conversion.

Source Code : `n = int(input("Enter number"))`
`r = ""`

`While n > 1 :`

`r = str(int(n%2)) + r`

`n //= 2`

`print("Binary Number = ", r)`

Output : Enter number 10

Binary Number = 1010

ii. Binary to decimal Conversion

Source Code : `n = int(input("enter binary"))`

`decimal, i = 0, 0`

`While (n != 0) :`

`dec = n % 10`

`decimal = decimal + dec * pow(2, i)`

`n = n // 10`

`i = i + 1`

`print("decimal form = ", decimal)`

Output : enter binary = 10010

decimal form = 18

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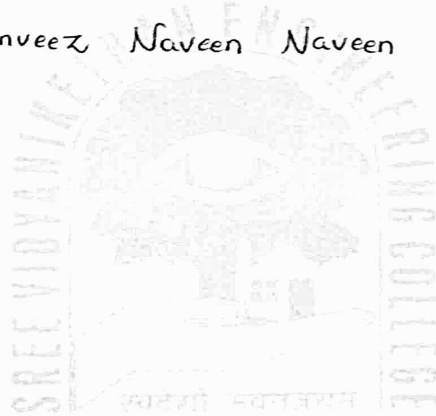
Ex. No. : 5C

Aim : To Write a python program to find Occurences of each word in a given string.

Source Code :

```
l = input('enter string').split(' ')
c = {}
for i in l:
    c[i] = l.count(i)
for i in c.keys():
    print(i, c[i])
```

Output : Enter string Tanveez Naveen Naveen Madhan Tanveez
Tanveez 2
Naveen 2
Madhan 1



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Ex. No. : 56

Aim : To Write a python program to delete duplicate strings from group/list of Strings (Insertion Order should be maintained)

Source Code:

```
I = input('enter string').split(' ')
b = ''
F = []
for i in I:
    if i not in F:
        F.append(i)
print(b.join(F))
```

Output: enter string : Tanveez Naveen babi Tanveez shaziya
Tanveez Naveen babi shaziya

Aim: To Write a Python program to Read n student details like name, rollno, branch, age. sort student details based on their name and display.

Code :

```
n = int(input("enter no of student details to be stored"))
print("Name      Rollno      Section      age")
List = [[input()] for i in range(n)]
List.sort()
print(List)
```

Output:

```
enter no of student details to be stored 4
Name      Rollno      Section      age
Tanveez  21121A3540  10T          19
Kushal   21121A3545  10T          19
Naveen   21121A3504  10T          18
Madhan   21121A3511  10T          19
```

```
[['Kushal 21121A3545 10T 19'], ['Madhan 21121A3511 10T 19'],
['Naveen 21121A3504 10T 18'], ['Tanveez 21121A3540 10T 19']]
```