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CLASS	B.Tech – IT
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	ASSIGNMENT - 4

Task - 1	Create two list and join those two list.
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Coding:

```
a1=[5,6,7,8,9]
a2=[10,11,12,13,14]
a3=a1+a2
print(a3)
```

Output:

```
a1=[5,6,7,8,9]
a2=[10,11,12,13,14]
a3=a1+a2
print(a3)

[5, 6, 7, 8, 9, 10, 11, 12, 13, 14]
```

Task - 2**With if statement find the even numbers.****Coding:**

```
for i in range(0,20):  
    if(i%2==0):  
        print(i)
```

Output:

```
for i in range(0,20):  
    if(i%2==0):  
        print(i)
```

```
0  
2  
4  
6  
8  
10  
12  
14  
16  
18
```

Task – 3**Create a Dictionary with 3 keys and 2 values for each key.****Coding:**

```
mydict={  
    "key1":["a","b"],  
    "key2":["c","d"]}  
print(mydict)
```

Output:

```
: mydict={  
    "key1":["a","b"],  
    "key2":["c","d"]}  
print(mydict)  
  
{'key1': ['a', 'b'], 'key2': ['c', 'd']}
```

Task – 4**Create a function with if statement which is used to find the odd numbers.****Coding:**

```
def odd(list):  
    n=[]  
    for num in list:  
        if(num%2!=0):  
            n.append(num)  
    return n  
list=[1,2,3,4,5]  
print(odd(list))
```

Output:

```
: def odd(list):  
    n=[]  
    for num in list:  
        if(num%2!=0):  
            n.append(num)  
    return n  
list=[1,2,3,4,5]  
print(odd(list))  
  
[1, 3, 5]
```

Task – 5

Write a Python function to sum all the numbers in a list.

Sample List : (8,2,3,0,7)

Expected Output : 20

Coding:

```
list = [3,2,3,0,-9]  
print(sum(list))
```

Output:

```
list = [3,2,3,0,-9]  
print(sum(list))
```

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