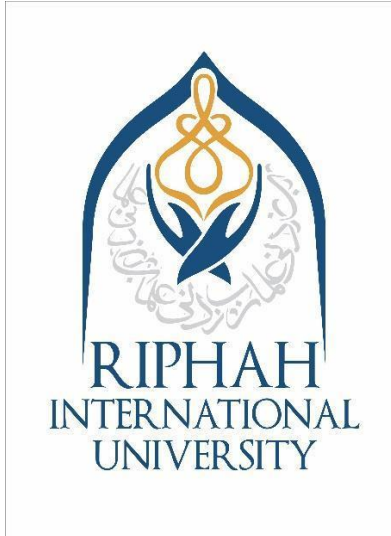


**LAB # 04**

**Artificial Intelligence**



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**Task 01:**

```
sum=0
for number in range(1,21):
    if number % 2 == 0 :
        sum=sum+number
print(sum)
```

### Output:

```
C:\Users\user\PycharmProjects\Pyth
110

Process finished with exit code 0
```

### Task 02:

```
numbers = [1,2,5,7,8,9]
print("The smallest number is:", min(numbers))
```

### Output:

```
C:\Users\user\PycharmProjeo
The smallest number is: 1

Process finished with exit
```

### Task 03:

```
list=[1,2,3,True,"python","hello"]
list1=[8,"apple"]
list.extend(list1)
print("Extended list:", list)
```

### Output:

```
C:\Users\user\PycharmProjects\PythonProject\.venv\Scripts\python.exe
Extended list: [1, 2, 3, True, 'python', 'hello', 8, 'apple']
```

### Task 04:

```
number = int(input("Enter a non neg number:"))
fact = 1
while number>1:
    fact*=number
    number-=1
print("Factorial", fact)
```

### Output:

```
C:\Users\user\PycharmProjects\PythonProject>python.exe
Enter a non neg number:3
Factorial 6
```

### Task 05:

```
letter = input("Enter a letter:").lower()
if letter in 'aeiou':
    print("Vowel")
else:
    print("Consonant")
```



**Output:**

```
C:\Users\user\Pychar
Enter a letter:A
Vowel
```