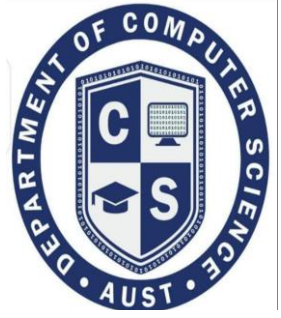




**ABBOTTABAD UNIVERSITY SCIENCE AND TECHENOLGY**

***LAB TASK NO 2***



***NAME*** ***KALEEMULLAH***

***ROLL NO*** ***F24-614***

***LAB TASK NO*** ***2***

***SUBMITTED TO*** ***SIR JAMAL ABDUL AHAD***

***SUBJECT*** ***OBJECT ORENTED PROGRAMMING***

***PROGRAM*** ***BS SOFTWARE ENGINEERING***

***SEMESTER*** ***SECOND SEMESTER***

***SECTION*** ***C***

```
#Excrise no 1
def hello_name(name):
    print("Hello, " + name + "!")
```

```
# Example usage:
```

```
hello_name("Ali")
```

```
Hello, Ali!
```

```
#Excrise no 2
```

```
def calculate_area(length, width=10):
    return length * width
```

```
# Example usage:
```

```
print(calculate_area(5)) # Output: 50 (using default width of 10)
```

```
print(calculate_area(5, 20)) # Output: 100 (using custom width of 20)
```

```
=====
```

```
50
```

```
100
```

```
>
```

```
#Excrise no 3
```

```
def is_even(num):
    return num % 2 == 0
```

```
# Example usage:
```

```
print(is_even(10)) # Output: True
```

```
print(is_even(11)) # Output: False
```

```
= RESTART: C:/User:
```

```
True
```

```
False
```

```
#Excirse no 4
x = 10 # global variable

def modify_global():
    global x # declare x as global
    x = 20 # modify the global variable
    print("Inside function:", x)

modify_global()
print("Outside function:", x)
|
```

```
= RESTART: C:/Users/Global/
Inside function: 20
Outside function: 20
|
```

---

```
#Excrise no 7:
def add(a, b):
    return a + b

def subtract(a, b):
    return a - b

def multiply(a, b):
    return a * b

def operate(func, a, b):
    return func(a, b)

# Example usage:
print(operate(add, 10, 5)) # Output: 15
print(operate(subtract, 10, 5)) # Output: 5
print(operate)|
```

```
15
5
<function operate at 0x0000026CB36CDE40>
|
```





