

Lab Task No. 2

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Program: BSSE

Semester/Section: 2nd & C

Subject: OOPS

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Code question no 01

```
def hello_name():
    print('hello,!')
hello_name()
```

```
python.py > ...

def hello_name():
    print('hello,!')
    hello_name()
```

```
PROBLEMS OUTPUT DEBUG CONSOLE

PS C:\Users\ik611\Documents> & C:/Use
ments/python.py
hello,!

PS C:\Users\ik611\Documents>
```

Code question no 02

```
def is_even(number):
    return number % 2 == 0
print(is_even(8))
print(is_even(9))
```

Code question no 03

```
x = 10
```

```
def modify_global_variable():
    global x
    x = 20
modify_global_variable()
print(x)
```

Code question no 04

```
def fibonacci(n):
    if n <= 0:
        return 0
    elif n == 1:
        return 1
    else:
        return fibonacci(n - 1) + fibonacci(n - 2)
print(fibonacci(0))
print(fibonacci(1))
print(fibonacci(5))
print(fibonacci(10))</pre>
```

```
▶ 🛮 …
question05.py C:\Users\user\Desktop\lab task\question05.py
     def fibonacci(n):
          if n <= 0:
              return 0
          elif n == 1:
           return 1
              return fibonacci(n - 1) + fibonacci(n - 2)
     print(fibonacci(0))
      print(fibonacci(1))
     print(fibonacci(5))
     print(fibonacci(10))
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PROBLEMS TERMINAL
PS C:\Users\user> python -u "c:\Users\user\Desktop\lab task\question05.py"
PS C:\Users\user>
```

```
PROBLEMS
TERMINAL

PS C:\Users\user\python -u "c:\Users\user\Desktop\lab task\quetion06.py"

True
False
PS C:\Users\user>
```

Code question no 05

```
def operate(func, num1, num2):
    return func(num1, num2)

def add(x, y):
    return x + y

def subtract(x, y):
    return x - y

def multiply(x, y):
```

```
return x * y
result_add = operate(add, 10, 5)
print(result_add)
result_subtract = operate(subtract, 10, 5)
print(result_subtract)
result_multiply = operate(multiply, 10, 5)
print(result_multiply)
```

link of github

https://github.com/hassantoufeeq30/khan-hassan