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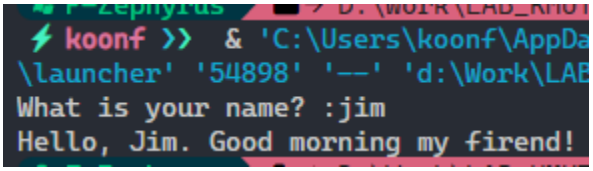
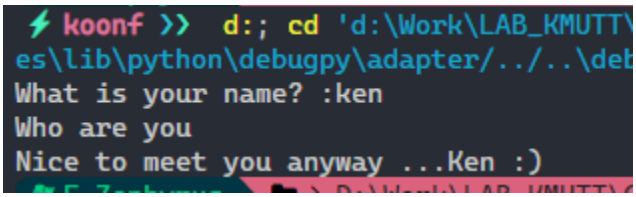
ข้อที่ 1

```python
Jlist = ['Jeff','Jake' ,'Jim']
name = str(input("What is your name? :"))
name = name.capitalize()


def checkJ_name(name):
    if name in Jlist:
        myjList = "Hello, {}. Good morning my firend!"
        return myjList.format(name)
    else:
        print("Who are you")
        notmyjList = "Nice to meet you anyway ...{} :)"
        return notmyjList.format(name)

print(checkJ_name(name))
```

Output

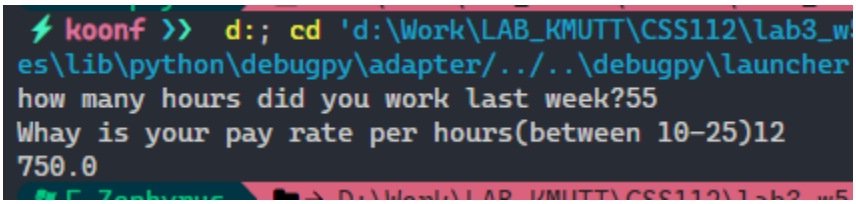




ข้อที่ 2

```python
hours = int(input('how many hours did you work last week?'))
pay_ment = int(input('Whay is your pay rate per hours(between 10-25)'))


def sallarycalculator(hours,pay_ment):
    if hours > 40 :
        ot = hours - 40
        sallary = ((pay_ment*1.5)*ot)+(40*pay_ment)

        return sallary
    else:
        sallary = hours * pay_ment
    return sallary

result = sallarycalculator(hours, pay_ment)

print(result)
```

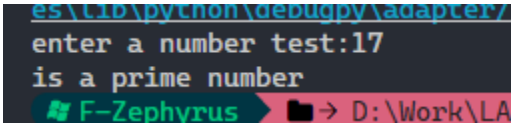
Output



ข้อที่ 3

```python
number = int(input("enter a number test:"))

flag = False


def primenumber(n):
    if n > 1:
        # check for factors
        for i in range(2, n):
            if (n % i) == 0:
                # if factor is found, set flag to True
                flag = True
                # break out of loop
                break

primenumber(number)
if flag:
        print("is not a prime number")
else:
        print("is a prime number")

```

Output



ข้อที่ 4

```python
element = int(input("your Element :"))

Elist = []


def createList (element):
    for x in range(element):
        member = int(input())
        Elist.append(member)



createList(element)
print("The maximim number entered is",max(Elist))
print("The minimim number entered is",min(Elist))
```

Output

```
F-Zephyrus  -> D:\Work\LAB_KMUTT\CSS11
 koonf >>  d:; cd 'd:\Work\LAB_KMUTT\CSS1
es\lib\python\debugpy\adapter/../..\debugpy
Enter number of element :4
12
-58
3
1
The maximim number entered is 12
The minimim number entered is -58
F-Zephyrus  -> D:\Work\LAB_KMUTT\CSS11
```

ข้อที่ 5

```python
print("Please enter a choice for your selection:")
print("Enter 1 if you want to calulate the area of a triangle.")
print("Enter 2 if you want to calulate the volumn of cubic.")
print("Enter 3 if you want to calulate the volumn of cone.")

choice = int(input("Enter your choice here:"))

def areaCalculator():
    base = int(input("Please the base length :"))
    height = int(input("Please the height :"))
    s = 1/2 * base * height
    result = "The are of triangle with base = {} and height = {} is {} "
    return result.format(base,height,s)


def cubiccalculator():
    base = int(input("Please the base width :"))
    length = int(input("Please the length :"))
    height = int(input("Please the height :"))
    cubic = base * length * height
    result = "The cubic volum of width = {} length = {} and height = {} is {}"
    return result.format(base,length,height,cubic)

def coniccalculator():
    base = int(input("Please the base diameter :"))
    height = int(input("Please the height :"))
    r = base/2
    conic = (((r**2)*22/7)*height)/3
    result = "The conical volumn of cone with daimeter = {:.1f} and hegiht = {:.1f} is {:.12f}"
    return result.format(base,height,conic)

if choice == 1:
    print(areaCalculator())
elif choice == 2:
    print(cubiccalculator())
elif choice == 3:
    print(coniccalculator())
else:
    print("Invalid Choice")
```

Output

```
koonf ❯❯ d:; cd 'd:\Work\LAB_KMUTT\CSS112\lab3_w5'; & 'C:\Users\koonf\Appl
es\lib\python\debugpy\adapter/../..\debugpy\launcher' '60173' '--' 'd:\Work\LA
Please enter a choice for your selection:
Enter 1 if you want to calulate the area of a triangle.
Enter 2 if you want to calulate the volumn of cubic.
Enter 3 if you want to calulate the volumn of cone.
Enter your choice here:1
Please the base length :12
Please the height :8
The are of triangle with base = 12 and height = 8 is 48.0
F-Zephyrus → D:\Work\LAB_KMUTT\CSS112\lab3_w5 → ( main) 7.916s
koonf ❯❯
```

```
F-Zephyrus → D:\Work\LAB_KMUTT\CSS112\lab3_w5 → ( main) 0ms 3:2
koonf ❯❯ & 'C:\Users\koonf\AppData\Local\Programs\Python\Python310\python.exe'
\launcher' '54725' '--' 'd:\Work\LAB_KMUTT\CSS112\lab3_w5\lab3_5.py'
Please enter a choice for your selection:
Enter 1 if you want to calulate the area of a triangle.
Enter 2 if you want to calulate the volumn of cubic.
Enter 3 if you want to calulate the volumn of cone.
Enter your choice here:2
Please the base width :12
Please the length :8
Please the height :9
The cubic volum of width = 12 length = 8 and height = 9 is 864
F-Zephyrus → D:\Work\LAB_KMUTT\CSS112\lab3_w5 → ( main) 12.868s
```

```
koonf ❯❯ d:; cd 'd:\Work\LAB_KMUTT\CSS112\lab3_w5'; & 'C:\Users\koonf\AppData\Local\Program
es\lib\python\debugpy\adapter/../..\debugpy\launcher' '54758' '--' 'd:\Work\LAB_KMUTT\CSS112\la
Please enter a choice for your selection:
Enter 1 if you want to calulate the area of a triangle.
Enter 2 if you want to calulate the volumn of cubic.
Enter 3 if you want to calulate the volumn of cone.
Enter your choice here:3
Please the base diameter :15
Please the height :12
The conical volumn of cone with daimeter = 15.0 and hegiht = 12.0 is 707.1428571428571
F-Zephyrus → D:\Work\LAB_KMUTT\CSS112\lab3_w5 → ( main) 8.225s 3:25 AM
```