```python
1   list_name=['Jeff','Jack','Jim']
2
3   def check_name(name):
4       if name in list_name:
5           return f"Hello, {name}. Good morning my friend!"
6       else:
7           return f"Who are you? \nNice to meet you anyway...{name} :)."
8
9   print(check_name(input('What is your name? : ')))
```

D:/KMUTT/CSS112/lab/lab03   © 01:52:13   ⧗1ms
```
python lab01.py
What is your name? : Jim
Hello, Jim. Good morning my friend!
```
D:/KMUTT/CSS112/lab/lab03   © 01:52:26   ⧗2.653s
```
python lab01.py
What is your name? : Ken
Who are you?
Nice to meet you anyway ... Ken :).
```

```python
1    def calculator(hour,rate):
2        if  hour <= 40:
3            pay = hour*rate
4            return f"{pay}"
5
6        else:
7            up_hour = hour - 40
8            pay = (40*rate)+(up_hour*1.5*rate)
9            return f"{pay}"
10
11   hour_work = int(input('How many hours did you work last week? :'))
12   rate_per_hour = int(input('What is yor pay rate per hour(between 10-25) :'))
13
14   print(calculator(hour_work,rate_per_hour))
```

D:/KMUTT/CSS112/lab/lab03   © 01:55:06   ⧗1ms
```
python lab02.py
How many hours did you work last week? :55
What is yor pay rate per hour(between 10-25) :12
750.0
```

```python
1   def prime_check(number):
2       if number > 1:
3           for i in range(2,number):
4               if number % i == 0:
5                   return "This is not a prime number."
6               else:
7                   return "This is a prime number"
8       else:
9           return "This is not a prime number."
10
11  print(prime_check(int(input('Enter a number to test:'))))
```

```
python lab03.py
Enter a number to test:17
This is a prime number
```

```python
1   list_number = []
2   num = int(input("Enter nuber of element : "))
3
4   for i in range(1, num + 1):
5       number = int(input(""))
6       list_number.append(number)
7
8   print("The entered list is ",list_number)
9   print("The maximum number entered is ",max(list_number))
10  print("The minimum number entered is ",min(list_number))
```

```
python lab04.py
Enter nuber of element : 4
12
-58
3
1
The entered list is  [12, -58, 3, 1]
The maximum number entered is  12
The minimum number entered is  -58
```

```python
1   def num(choice):
2       if choice == 1:
3           base = int(input("Please enter the base length : "))
4           height = int(input("Please enter the height : "))
5           area = 1/2*base*height
6           return f"The area of triangle with base = {base} and height = {height} is {area}"
7       elif choice == 2:
8           width = int(input("Please enter the base width : "))
9           length = int(input("Please enter the length : "))
10          height = int(input("Please enter the height : "))
11          cubic = width*length*height
12          return f"The cubic volumn of width = {width} length = {length} and height = {height} is {cubic}"
13      elif choice == 3:
14          base = float(input("Please enter the base diameter : "))
15          height = float(input("Please enter the height : "))
16          conical = ((1/3)*(22/7)*((base/2)**2)*(height))
17          return f"The conical volumn of cone with diameter = {base} and height = {height} is {conical}"
18      else:
19          return "Invalid Choice"
20
21  print("Please enter a choice for your selection:")
22  print("Enter 1 if you want to calculate the area of a triangle.")
23  print("Enter 2 if you want to calculate the volumn of a cubic.")
24  print("Enter 3 if you want to calculate the volumn of a cone.")
25  print(num(int(input("Enter your choice here:"))))
```

```
      D:/KMUTT/CSS112/lab/lab03      02:04:05      1ms
   python lab05.py
Please enter a choice for your selection:
Enter 1 if you want to calculate the area of a triangle.
Enter 2 if you want to calculate the volumn of a cubic.
Enter 3 if you want to calculate the volumn of a cone.
Enter your choice here:1
Please enter the base length : 12
Please enter the height : 8
The area of triangle with base = 12 and height = 8 is 48.0
      D:/KMUTT/CSS112/lab/lab03      02:04:23      4.013s
   python lab05.py
Please enter a choice for your selection:
Enter 1 if you want to calculate the area of a triangle.
Enter 2 if you want to calculate the volumn of a cubic.
Enter 3 if you want to calculate the volumn of a cone.
Enter your choice here:2
Please enter the base width : 12
Please enter the length : 8
Please enter the height : 9
The cubic volumn of width = 12 length = 8 and height = 9 is 864
      D:/KMUTT/CSS112/lab/lab03      02:04:29      4.152s
   python lab05.py
Please enter a choice for your selection:
Enter 1 if you want to calculate the area of a triangle.
Enter 2 if you want to calculate the volumn of a cubic.
Enter 3 if you want to calculate the volumn of a cone.
Enter your choice here:3
Please enter the base diameter : 15
Please enter the height : 12
The conical volumn of cone with diameter = 15.0 and height = 12.0 is 707.142857142857
      D:/KMUTT/CSS112/lab/lab03      02:04:35      3.651s
   python lab05.py
Please enter a choice for your selection:
Enter 1 if you want to calculate the area of a triangle.
Enter 2 if you want to calculate the volumn of a cubic.
Enter 3 if you want to calculate the volumn of a cone.
Enter your choice here:5
Invalid Choice
```