

1.

```
def Hi(name, Last):  
    def namess():  
        print(f"Hi, " + name + " " + Last + "!")  
    namess()  
  
name_in = input("What is you name?: ")  
last_in = input("What is you last name?: ")  
Hi(name_in, last_in)
```

```
What is you name?: Laura  
What is you last name?: Lupinski  
Hi, Laura Lupinski!
```

2.

```
def fahrenheit(celsius_beg, celsius_end):  
    if celsius_beg > celsius_end: return  
    else: return print("{} Celcius = {:.2f}  
Fahrenheit.".format(celsius_beg, (celsius_beg * 1.8) + 32.))  
    , fahrenheit(celsius_beg+1, celsius_end)  
  
celsius_beg = int(input("Enter a beginning Celcius value: "))  
celsius_end = int(input("Enter a ending Celcius value: "))  
fahrenheit(celsius_beg, celsius_end)
```

```
Enter a beginning Celcius value: 10  
Enter a ending Celcius value: 20  
10 Celcius = 50.00 Fahrenheit.  
11 Celcius = 51.80 Fahrenheit.  
12 Celcius = 53.60 Fahrenheit.  
13 Celcius = 55.40 Fahrenheit.  
14 Celcius = 57.20 Fahrenheit.  
15 Celcius = 59.00 Fahrenheit.  
16 Celcius = 60.80 Fahrenheit.  
17 Celcius = 62.60 Fahrenheit.  
18 Celcius = 64.40 Fahrenheit.  
19 Celcius = 66.20 Fahrenheit.  
20 Celcius = 68.00 Fahrenheit.
```

3.

```
def mult_table(num, mult = 1):  
    print(f"{num} X {mult} = {num * mult}")  
    if mult >= 12: return  
    else:  
        return mult_table(num, mult+1)  
    return mult_table(num, mult)  
num = int(input("Enter a number:"))  
print(f"Multiplication Table of {num} is:")  
mult_table(num)
```

```
Enter a number:3  
Multiplication Table of 3 is:  
3 X 1 = 3  
3 X 2 = 6  
3 X 3 = 9  
3 X 4 = 12  
3 X 5 = 15  
3 X 6 = 18  
3 X 7 = 21  
3 X 8 = 24  
3 X 9 = 27  
3 X 10 = 30  
3 X 11 = 33  
3 X 12 = 36
```

4.

```
def money(name,age):
    list_name = ["Tony", "Peter", "Mark", "Kim", "James", "Kenny"]
    names = name.capitalize()
    char = "Tick price for "
    if names in list_name and age < 15:
        print(char + names + " " + "3.75")
    elif names in list_name and age > 15:
        print(char + names + " " + "7.5")
    elif not names in list_name and age < 15:
        print(char + names + " " + "7.5")
    elif not names in list_name and age > 15:
        print(char + names + " " + "15")

name = str(input("Plese enter your name: "))
age = int(input("Enter your age: "))
money(name,age)
```

```
Plese enter your name: Kim
Enter your age: 12
Tick price for Kim 3.75
```

```
Plese enter your name: keNNy
Enter your age: 28
Tick price for Kenny 7.5
```

```
Plese enter your name: Mike
Enter your age: 9
Tick price for Mike 7.5
```

```
Plese enter your name: Lauren
Enter your age: 45
Tick price for Lauren 15
```