Python activity 5

1.

```
list1 = [100,200,488,342,768,654,845]


list1.reverse()


print(list1)
```

Output:

[845, 654, 768, 342, 488, 200, 100]

2.

```
list1 = ["M", "na", "i", "Ke"]

list2 = ["y", "me", "s", "lly"]

list3 = [i + j for i, j in zip(list1, list2)]

print(list3)
```

Output:

[My', 'name', 'is', 'Kelly']

3.

```
numbers = [1, 2, 3, 4, 5, 6, 7]

# result list
```

```
res = []
for i in numbers:
   # calculate square and add to the result list
      res.append(i * i)
      print(res)
```

Output:

1]

[1, 4]

[1, 4, 9]

[1, 4, 9, 16]

[1, 4, 9, 16, 25]

[1, 4, 9, 16, 25, 36]

[1, 4, 9, 16, 25, 36, 49]

4.

```
list1 = ["Hello ", "take "]
list2 = ["Dear", "Sir"]

res = [x + y for x in list1 for y in list2]
print(res)
```

Output:

['Hello Dear', 'Hello sir', 'take Dear','take sir']

5.

```
list1 = [10, 20, 30, 40]
list2 = [100, 200, 300, 400]

for x, y in zip(list1, list2[::-1]):
    print(x, y)
```

Output:

10 400

20 300

30 200

40 100

6.

```
def show_employee(name, salary=9000):
    print("Name:", name, "salary:", salary)
show_employee("lalii", 12000)
show_employee("das")
```

Output:

Name: lalii salary: 12000

Name: das salary: 9000

7.

```
list1 = [12, 15, 32, 42, 55, 75, 122, 132, 150, 180, 200]
 for i in list1:
     if(i > 120):
        break;
    if i%5==0:
        print(i)
```

Output:

8.

```
tuple1 = (50, 10, 60, 70, 50,80,90,50,60,70,50,70)

print(tuple1.count(50))
```

Output:

4

9.

```
from datetime import date, timedelta
dt = date.today() - timedelta(7)
print('Current Date :',date.today())
print('7 days before Current Date :',dt)
```

Output:

Current Date : 2022-11-03

7 days before Current Date : 2022-10-27

10.

```
from datetime import datetime

given_date = datetime(2020, 2, 25)

print("Given date is")

print(given_date.strftime('%A %d %B %Y'))
```

Output:

Given date is

Tuesday 25 February 2020