Q1.

```
#Given two list names and marks for names of students and their marks.

#Create a dictionary which will contain student name as key and marks as its value

#ISHIKA KHOKHANI S13-39

n=int(input("Enter number of students: "))

sub=int(input("Enter number of subjects for marks: "))

students=dict()

for i in range(0_n):

name=input("Enter your name: ")

marks=[]

for j in range(0_sub):

mark=int(input("Enter your marks: "))

marks.append(mark)

students[name]=marks

pint("Student dictionary is created: ")

print(students)

Enter number of students: 3

Enter your name: abs

Enter your marks: 45

Enter your marks: 45

Enter your marks: 65
```

```
Enter number of students: 8
Enter number of subjects for marks: 2
Enter your name: abc
Enter your marks: 45
Enter your marks: 45
Enter your name: def
Enter your marks: 50
Enter your marks: 44
Enter your marks: 44
Enter your marks: 30
Enter your marks: 80
Student dictionary is created:
{'abc': [45, 65], 'def': [50, 44], 'ghi': [30, 80]}
Process finished with exit code 0
```

Q2.

```
Enter number of employees: 2
Enter employee number: 1234
Enter employee name: ABC
Enter number of hours worked overtime a week: 15
Enter employee number: 5678
Enter employee name: DEF
Enter number of hours worked overtime a week: 13
Employee records are:
{'ABC': [1234, 15, 7500], 'DEF': [5678, 13, 6500]}
Process finished with exit code 0
```

Q3.

```
tup=(4,5,6,2,3,4,5,1,2,6,4)
x={}
for m in tup:
    x[m]=tup.count(m)
x
{1: 1, 2: 2, 3: 1, 4: 3, 5: 2, 6: 2}
```

Q4.

```
std_record={}
roll_no=[]
name=[]
marks=[]
x=int(input("Enter number of students :"))
for i in range(x):
   roll_no.append(int(input("Enter the roll no of the student :")))
   name.append(input("Enter the name of the student :'
   ml=int(input("Enter the marks in ML :
   pyth=int(input("Enter the marks in Python :"))
   marks.append((ml,pyth))
for i in range(x):
  std_record[roll_no[i]]=(name[i],marks[i])
std record
Enter number of students :3
Enter the roll no of the student :39
Enter the name of the student :ABC
Enter the marks in ML :45
Enter the marks in Python :90
Enter the roll no of the student :40
Enter the name of the student :DEF
Enter the marks in ML :70
Enter the marks in Python :20
Enter the roll no of the student :35
Enter the name of the student :IGH
Enter the marks in ML :55
Enter the marks in Python :35
{35: ('IGH', (55, 35)), 39: ('ABC', (45, 90)), 40: ('DEF', (70, 20))}
```

Q5.

```
marks={'Physics':65, 'Chemistry':70, 'Maths':67, 'Biology':80}
x=[(key,val) for key,val in marks.items()]
x.reverse()
x
[('Biology', 80), ('Maths', 67), ('Chemistry', 70), ('Physics', 65)]
```