Experiment 6: Write a program to create a list of student's records and search a student record using a dictionary.

CODE:

```
class Student:
def GetStudent(self):
     self.rollno=input("Enter roll number:")
     self.name=input("Enter name:")
     self.physicsMarks=int(input("Enter Physics Marks:"))
     self.chemistryMarks=int(input("Enter Chemistry Marks:"))
     self.mathsMarks=int(input("Enter Maths Marks:"))
     return(self.rollno)
     def PutStudent(self):
          print(self.rollno,self.name,((self.physicsMarks+self.chemis
          tryMarks+self.mathsMarks)/3))
     def Search(self,min,max):
          per=(self.physicsMarks+self.chemistryMarks+self.maths
          Marks)/3
          if(per>=min and per<=max):
                return True
          else:
                return False
studentDict=dict()
n=int(input("How many students you want to input:"))
for i in range(n):
     S=Student()
     rollno=S.GetStudent()
     studentDict.setdefault(rollno,S)
#SEARCHING FOR STUDENT RECORDS WITH ROLL
NUMBERS PEOVIDED BY THE USER
rollno=input("enter the roll number you want to search?:")
S=studentDict.get(rollno,"Not Found!")
if(isinstance(S,Student)):
     S.PutStudent()
```

OUTPUT:

```
How Many Students you want to Input? : 3
Enter Roll No : 12
Enter name: aakash
Enter Physics Marks:78
Enter Chemistry Marks: 69
Enter Maths Marks: 79
Enter Roll No : 13
Enter name: manik
Enter Physics Marks:68
Enter Chemistry Marks: 79
Enter Maths Marks: 89
Enter Roll No : 14
Enter name: raghav
Enter Physics Marks:78
Enter Chemistry Marks: 86
Enter Maths Marks: 68
Enter Roll Number you want to Search? : 13
13 manik 79
All students who scored more than 60 percentage are :
12 aakash 75
13 manik 79
14 raghav 77
```