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Subject: Python Programming

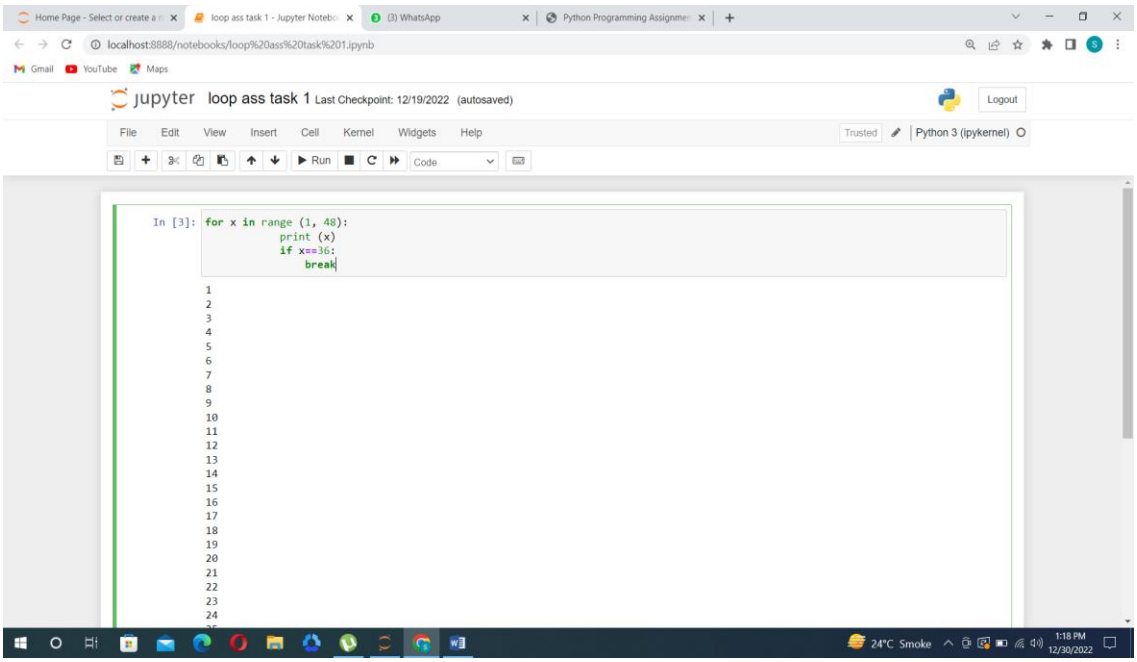
Class: BSIT Part 2 , 4th sem

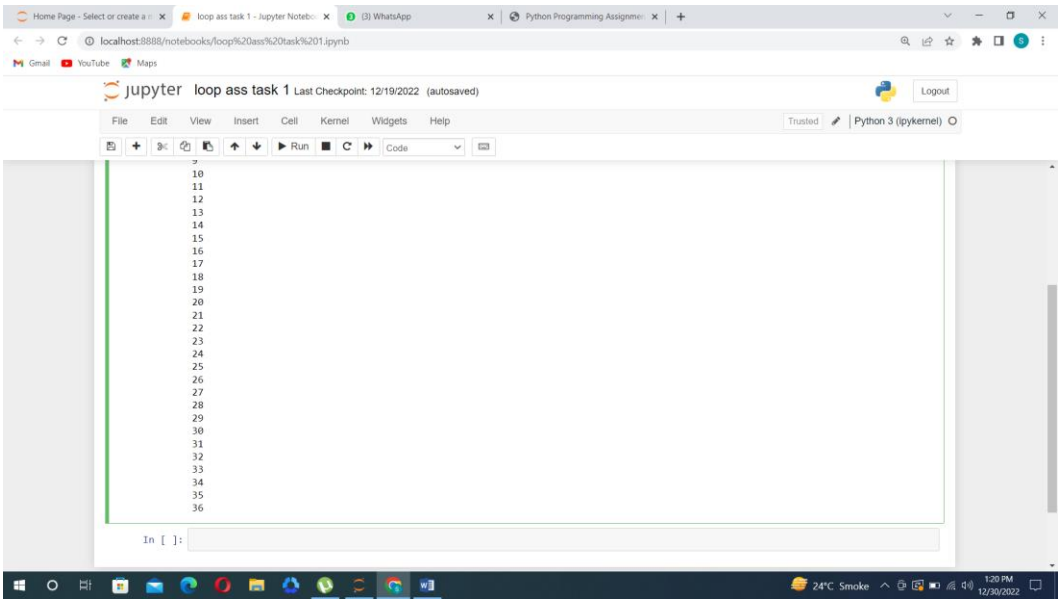
Assignment 01

Task 1: Create a for loop, which count all the roll numbers from 1 to 48, but stops at your own roll number.

Code:

```
For x in range (1, 48):
    print (x)
    if x==36:
        break
```

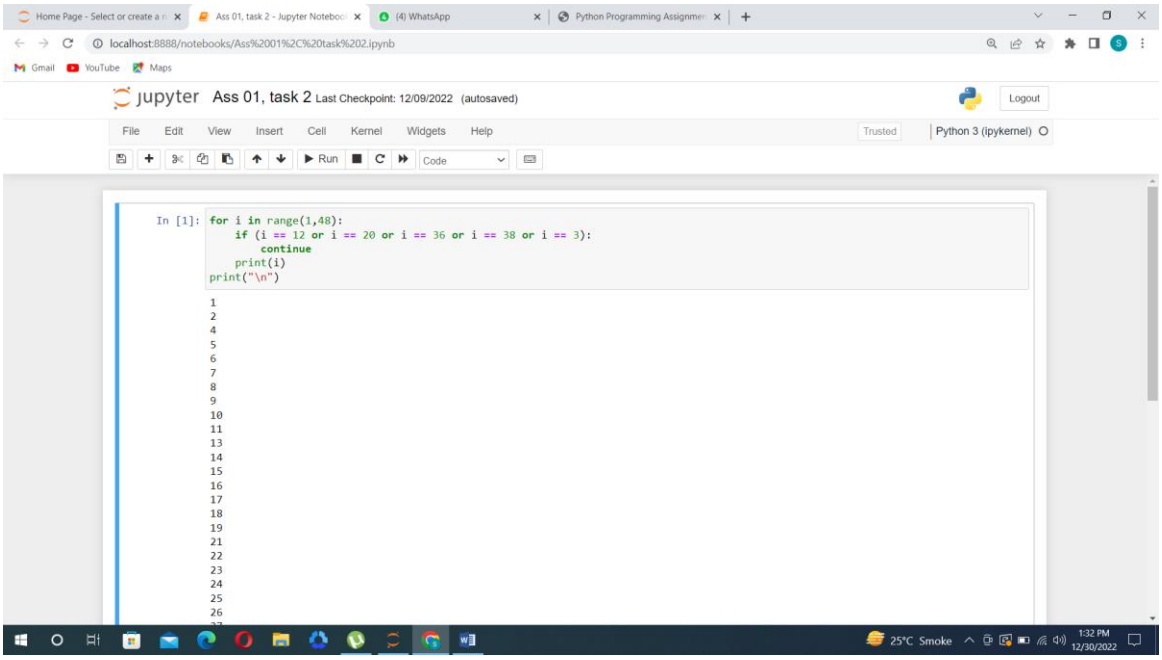


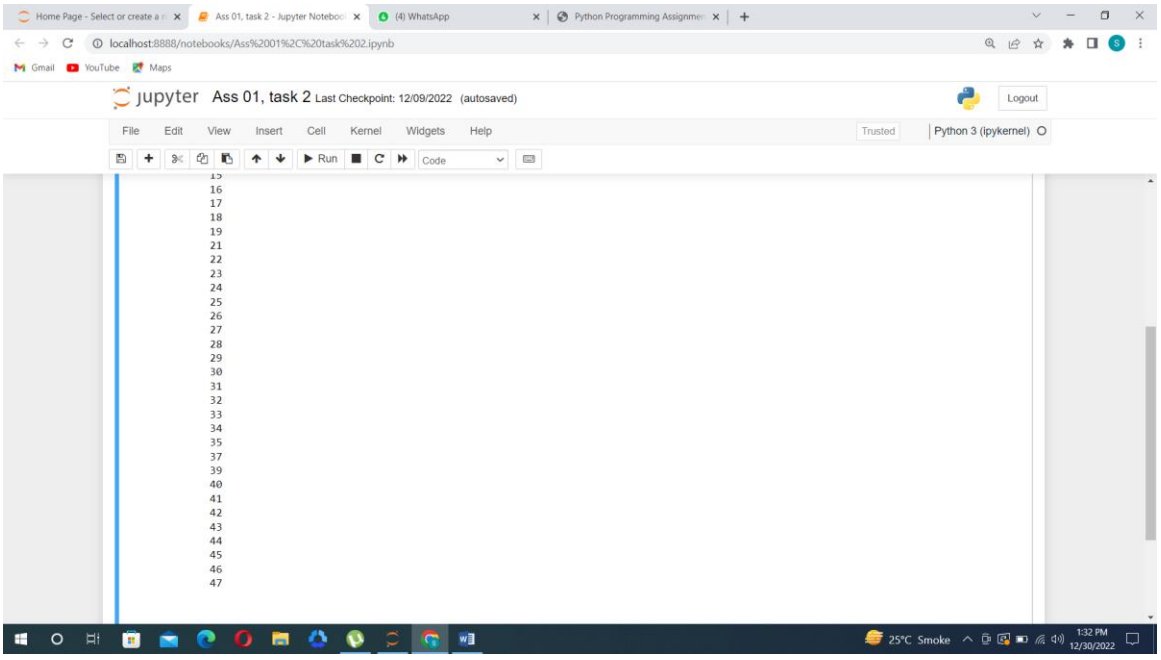


Task 2: Create a loop which display all of the roll numbers from 1 to 48, but do not show five roll numbers of your friends.

Code:

```
for i in range(1,48):
    if (i == 12 or i == 20 or i == 36 or i == 38 or i == 3):
        continue
    print(i)
print("\n")
```





Task 3: Create a program with following sequence:

- **A.** Ask marks of 6 subjects from one student (use: input), student must have < 49 marks in at least one subject.
- **B.** Calculate percentage of student for only those subjects, having marks above 49.

Code:

```
subject1 = int(input("linear algebra:"))
subject2 = int(input("python:"))
subject3 = int(input("data structure:"))
subject4 = int(input("data base:"))
subject5 = int(input("c++:"))
subject6 = int(input("java:"))
print()
total = subject1 + subject2 + subject3 + subject4 + subject5 + subject6
print("Total Marks: ",total)
percentage = (total/600)*100
print("percentage= ",percentage, "%")
```