**Question 1**

for i in range(10,100):  
 print(i)  
  
  
**Question 2**

num = int(input("Please enter a number between 0 and 99: "))  
if num > 9:  
 print("double digit number")  
else:  
 print("single digit number")  
  
  
**Question 3**  
  
for i in range(10,100):  
 if i % 2 == 0:  
 print(i)  
  
  
**Question 4**

for i in range(5,55,5):  
 print(i)  
  
  
**Question 5**

for i in range(5,55,5):  
 if i % 3 == 0:  
 print(i, "is divisible by 3")  
 else:  
 print(i)  
  
  
**Question 6A**

Add a colon at the end of the for statement.

**Question 6B**

Add 4 spaces before the print block.

**Question 7**

prices = [10, 130, 25, 64, 91, 66, 42, 18, 141, 64]  
print(prices)  
  
  
**Question 8**

prices = [10, 130, 25, 64, 91, 66, 42, 18, 141, 64]  
filtered\_list = []  
for i in prices:  
 if 20 < i < 80:  
 filtered\_list.append(i)  
print(filtered\_list)  
  
  
**Question 9**

user = (input("Please enter username: "))  
password = (input("Please enter the password: "))  
if user == "student007" and password == "new\_password":  
 print("Login successful!")  
else:  
 print("Try again. Login failure")  
  
  
**Question 9**

name = (input("Please enter username: "))  
if (len(name)) < 5 or (len(name)) > 16:  
 print("Invalid username")  
else:  
 print("Valid username")  
  
  
  
**Challenge Question 1**

item\_prices = [10, 40, 1, 16, 25, 34, 49, 40]  
for i in item\_prices:  
 for x in range(i):  
 if (i + x == 50):  
 print(x,",", i)

**Challenge Question 2**

names = ["sarang","john","lily","jasmine","mara","dave","chester"]  
searchName = (input("Please enter name: "))  
if searchName in names:  
 print("name found: ", searchName)  
else:  
 print("name not found")