```python
#1. Print the list of numbers which are divisible by 5 an#1. Print the list
of numbers which are divisible by 5 and multiple of 8 between 2000 and 2500
list=[]
for i in range(2000,2500):
    if i%5 == 0 and i%8 == 0:
        list.append(i)
print("the numbers divisible by 5 and multiple of 8 between 2000 and 2500 are
:",list)


print("----------------------------------------------end---que 1-----------
----------------------------------------")
#2. Write a Python program to create the table (from 1 to 10) of a number
getting input from the user

n = int(input("Enter a number: "))

print("Multiplication Table of", n)
for i in range(1, 11):
    mul = n * i
    print(i, "*", n, "=", mul)
print("----------------------------------------------end---que 2-----------
----------------------------------------")

#3. sort the list in ascending order and print first element

list=[11,52,457,564,85,12,302]
print(list.sort())  #sort element in asscending order
print(list)
print(" the first element is :",list[0])
print("----------------------------------------------end--que 3-----------
----------------------------------------")

#4. Python program to find second largest number in a list

list=[51,24,568,257,65,953,54,52,45]
print(list.sort(reverse=True))
print(list)
print(" the first element is :",list[1])
print("----------------------------------------------end---que 4-----------
----------------------------------------")

#5. Python program to print odd numbers & even numbers separately in all list
of [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
lnum = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
odd_list = []
even_list = []
for i in lnum:
    if i%2 == 0:
        even_list.append(i)
    else:
        odd_list.append(i)
print("the even nos are --",even_list)
print("the odd numbers are --",odd_list)
```

```python
print("-------------------------------------------------end-----que 5---------
-------------------------------------")

#6. Program for Reversing a list
n = int(input("enter no of element you want to insert"))
l=[]
for i in range(0,n):
    print("enter the element")
    x = int(input())
    l.append(x)
print("LIST=",l)

l.sort(reverse=True)
print(l)
print("-------------------------------------------------end-que6--------------
-----------------------------------")

#7.  Program to print all odd numbers from 1-50

list1=[]
for i in range(0,50):
    if i%2 != 0:
        list1.append(i)
print("the even nos are : ",list1)

print("-------------------------------------------------end--------que 7------
-----------------------------------")

#9.  Write a python program to remove zeros from an IP
address("216.08.094.196")
ip_add = '216.08.094.196'
ip = ip_add.split('.')
ip_list = [int(ips) for ips in ip]
print(ip_list)

print("-------------------------------------------------end------que9---------
-------------------------------------")

#10 Write a Python program that matches a string that has an 'a' followed by
anything
import re
sentence = input("enter a sentence")
s = r'a*'
if re.match(s,sentence):
    print("string that has an 'a' followed by anything")
else:
    print("string doed not has an 'a' followed by anything")
print("-----------------------------------------------------------end que
10-------------------------------------------------")

#11 Replace all occurences of 6 with 'six' and 10 with 'ten' for the given
string 'They ate 6 apples and 10 banana'
```

```python
inp_sen = "They ate 6 apples and 10 banana"
re = inp_sen.replace("6","six")
re = inp_sen.replace("10","ten")
print(re)
print("----------------------------------------------------end--que 11------------------------------------------------------------")

#12.    Write a program to check whether a person is eligible for voting or
not. (accept age from user)
age = int(input("enter your age"))
if age >= 18:
    print("Your are eligible for voting")
elif age < 0:
    print("sorry invalid!!!!!!!!!!!!!!!!!!")
else:
    print("You are not eligible for voting")
print("----------------------------------------------------end--que 12------------------------------------------------------------")

#13. Write a program to calculate the electricity bill (accept number of unit
from user) according to the following criteria :
unit = int(input("enter the unit"))
bill = 0
if unit <= 100:
    bill=0
elif unit <= 200:
    bill = (unit-100)*5
else:
    bill = 100*5+(unit-200)*10
print(f"the total electricity - {bill}")

print("--------------------------------------------------end---que 13-------------------------------------------------------------------")

#14.     Write a program to accept percentage from the user and display the
grade according to the following criteria:
percentage = float(input("enter the mark percentage"))
if percentage > 90:
    grade = "A GRADE"
elif percentage > 80 and percentage <= 90:
    grade = "B GRADE"
elif percentage>60 and percentage<=80:
    grade = "B GRADE"
else:
    print("D GRADE")
print(f"your grade is: {grade}")
print("------------------------------------end que 14------------------------------------------------------------------------")
```

```python
d multiple of 8 between 2000 and 2500
list=[]
for i in range(2000,2500):
    if i%5 == 0 and i%8 == 0:
        list.append(i)
print("the numbers divisible by 5 and multiple of 8 between 2000 and 2500 are
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print("---------------------------------------------end---que 1----------
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for i in range(1, 11):
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of [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
lnum = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
odd_list = []
even_list = []
for i in lnum:
    if i%2 == 0:
        even_list.append(i)
    else:
```

```python
        odd_list.append(i)
print("the even nos are --",even_list)
print("the odd numbers are --",odd_list)

print("------------------------------------------------end----que 5---------
-----------------------------------------")

#6. Program for Reversing a list
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l=[]
for i in range(0,n):
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    x = int(input())
    l.append(x)
print("LIST=",l)

l.sort(reverse=True)
print(l)
print("------------------------------------------------end-que6-------------
----------------------------------------")

#7.  Program to print all odd numbers from 1-50

list1=[]
for i in range(0,50):
    if i%2 != 0:
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print("the even nos are : ",list1)

print("------------------------------------------------end--------que 7------
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re = inp_sen.replace("6","six")
re = inp_sen.replace("10","ten")
print(re)
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-----------------------------------------------------")

#12.    Write a program to check whether a person is eligible for voting or
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    bill = (unit-100)*5
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elif percentage>60 and percentage<=80:
    grade = "B GRADE"
else:
    print("D GRADE")
print(f"your grade is: {grade}")
print("-----------------------------------end que 14----------------------
---------------------------------------------------------")
```