

**Question1**

Print the list of numbers which are divisible by 5 and multiple of 8 between 2000 and 2500

```
for n in range(2000, 2500):  
    if(n%5==0 and n%8==0):  
        print(n)
```

**Question 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"))  
for i in range(1,11):  
    print(i,"*",n,"=",i*n)
```

**Question 3**

Sort the list in ascending order and print first element

```
l = int(input("enter the list"))  
l.sort()  
print(l)  
print(l[0])
```

**Question 4**

Python program to find second largest number in a list

```
l = [120, 584, 635, 954, 200]  
l.sort()  
print(l)  
print(l[-2])
```

**Question 5**

Python program to print odd numbers & even numbers separately in a list of [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

```
l = "1, 2, 3, 4, 5, 6, 7, 8, 9, 10"
for l in range(1,11,2):
    print("odd numbers are",l)
for l in range(1,10,-1):
    print("even numbers are",l)
```

**Question 6**

Program for Reversing a list:

```
l = [1,2,3,4,5,6,7,8,9,10]
print(l[::-1])
```

**Question 7**

Program to print all odd numbers from 1-50:

```
for i in range(1,51,2):
    print(i)
```

**Question 8**

Program to count Even and odd numbers in a list

```
l = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]
for l in range(1,11,2):
    print("odd numbers are",l)
```

**Question 9**

Write a python program to remove zeros from an IP address("216.08.094.196"):

```
n = '216.08 .094. 196'
x = n.split('.')
l = [int(ips) for ips in x]
print(l)
```

**Question10**

Write a Python program that matches a string that has an 'a' followed by anything, ending with s:

```
import re
s = input("enter a string")
x = r'a*'
if re.match(s,x):
    print("string that has 'a' followed by s")
else:
    print("string that dont have 'a' followed by s")
```

**Question11**

Replace all occurrences of 6 with 'six' and 10 with 'ten' for the given string 'They ate 6 apples and 10 banana':

```
first = 'six'
second = 'ten'
s = 'They ate {} apples and {} banana'.format(first, second)
print(s)
```

**Question12**

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("you are eligible to vote")
else:
    print("you are not eligible to vote")
```

**Question13**

Write a program to calculate the electricity bill (accept number of unit from user) according to the following criteria :

| # Unit           | Price          |
|------------------|----------------|
| #First 100 units | no charge      |
| #Next 100 units  | Rs 5 per unit  |
| #After 200 units | Rs 10 per unit |

#(For example if input unit is 350 than total bill amount is Rs2000)

```
u = int(input("enter the unit"))
if u < 100:
    print("no charge")
elif u < 200:
    print("charge is", u - 100 * 5)
else:
    print("charge is", 100 * 5 + (u - 200) * 10)
    print(u)
```

**Question14**

Write a program to accept percentage from the user and display the grade according to the following criteria:

```
p = int(input("enter the percentage"))
if p>90:
    print("Grade is A")
elif p>=80 and p<=90:
    print("grade is B")
elif p>=60 and p<=80:
    print("Grade is C")
else:
    print("fail")
```