Q.1 Converting an Integer into Decimals ?

Ans:

let us conver 23 into decimals:

```
num = 23
decimal_num = float(num)
print(decimal_num)
```

Q.2 Converting an String of Integers into Decimals ?

Ans:

let us convert string "23" into decimal:

```
string_num = "23"
decimal_num = float(string_num)
print(decimal_num)
```

Q.3 Reversing a string using an Extended Slicing Technique ?

Ans:

let us consider the string "Placement Please"

```
string = "Placement Please"
reversed_string = string[::-1]
print(reversed_string)
```

Q.4 Counting the number of occurances of a character in a string ?

Ans: let us consider the string "Placement Please"

```
string = "Placement Please"
char = 'P'
count = 0

for c in string:
 if c == char:
 count += 1

Print(count)
```

 # Q.5 Find the maximum and minimum number in a list ?

Ans:let us consider a list

```
a = [10,31,29,54,71,96,17]
```

To find maximum number:

```
b = max(a)
print(b)
```

To find minimum number:

```
c = min(a)
print(c)
```

Q.6 Find the middle element in a list ?
Ans:
let us consider a list
numbers = [5,9,8,6,7,10]]
length = len(numbers)
mid_index = length // 2
middle = numbers[mid_index]

print(middle

Q.7 Converting a list into a string ?
Ans: lets us consider the following list
nums = [1, 2, 3, 4]
nums_str = ''.join(map(str, nums))

print(nums_str

Q.8 Adding two list elements together ?
Ans: we can append two list elements using append query:
listA = [1, 2, 3]
listB = [4, 5, 6]

result = []
for i in range(len(list1)):
  result.append(listA[i] + listB[i])

print(result)

Q.9 Write a program to check given number is even or odd ?
Ans:
number = 15

if (number % 2n) == 0:
  print(number, "is Even")
else:
  print(number, "is Odd")

Q.10 Write a program to check given character is a vowel or consonant ?
Ans:

```
char = 'b'
if char.lower() in ['a','e','i','o','u']:
  print(char, 'is a Vowel')
else:
  print(char, 'is a Consonant')
```

Q.11 Write a program to count vowels and consonants in the string ?
Ans:

```
string = "Placement Please"
vowels = 0
consonants = 0
for char in string:
  if char.lower() in ['a','e','i','o','u']:
    vowels += 1
  else:
    consonants += 1

print("Vowels:", vowels)
print("Consonants:", consonants)
```

Q.12 Write a program to remove spaces from string without inbuilt function ?
Dont know the answer