

Function Questions

Q1. Write a function to a company decided to give bonus of 5% to employee if his/her year of service is more than 5 years.**

Sample TestCase:

Input:

```
Salary = 102893
year = 6
```

Output:

```
108037.65
```

In []:

Q2. Write a function to check whether an alphabet is a vowel or consonant.**

Sample TestCase:

Input:

```
k
```

Output:

```
consonant
```

In []:

Q3. Write a function to print that slice of string.

Sample TestCase:

Input:

```
x = Hello Pentagon
n1 = 1
n2 = 4
```

Output:

```
ello
```

In []:

Q4. ISBN-10 identifiers are ten digits long. The first nine characters are digits 0-9. The last digit can be 0-9 or X, to indicate a value of 10. An ISBN-10 number is valid if the sum of the digits multiplied by their position modulo 11 equals zero.

For example:

```
ISBN : 1 1 1 2 2 2 3 3 3 9
position : 1 2 3 4 5 6 7 8 9 10
This is a valid ISBN, because:
```

```
(1*1 + 1*2 + 1*3 + 2*4 + 2*5 + 2*6 + 3*7 + 3*8 + 3*9 + 9*10) % 11 = 0
```

Examples

```
1112223339 --> true
111222333 --> false
```

In []:

Q5 Write a function to find maximum minimum values from array.

Q5. Write a function to find maximum, minimum values from array.

Example:

Input:

```
num = {2,3,4,'A',5,6,'B',76,'Py',7,4,45j}
```

Output:

```
minimum: 2
maximum: 76
```

In []:

Q6. Write a function to find duplicate values from Array.

Example

Input:

```
num = {3,4,5,6,7,6,54,'Hello',45j,4.3,'Hello','3',7}
```

Output:

```
{3,6,7,'Hello'}
```

In []:

Q7. Write a function to find sum of Array.

Example:

input:

```
x = {2,3,4,5,6,7,8,5,4}
```

output:

```
44
```

In []:

Q8. Write a function to reverse strating 5 index from string without using slicing.

Sample TestCase:

Input:

```
Pentagon Space
```

Output:

```
gatnePon Space
```

In []:

Q9. Write a function which calculates the average of the numbers in a given array.

Sample TestCase:

Input:

```
{3,4,5,6,6,7,7,8,45,34}
```

Output:

```
12.5
```

In []:

Q10. Write a function to print the min alphabetical character from the string.

Sample TestCase:

Input:

HELLO PENTAGON SPACE

Output:

A

In []:

Thank You!

If you have any queries please feel free to contact on "Vikash@pentagonspace.in".

In []: