Question1:

Given a string with words separated by spaces, create an acronym by taking the first letter of each word. The output string should be in upper case.

```
In [1]: # Example:

Input="State Bank of India"
    lst=Input.split(" ")
    lst1=[]
    for i in lst:
        lst1.append(i[0].upper())
    str1="".join(lst1)
    print(str1)
```

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Question 2:

Write a program that prints the sand clock pattern.

```
In [2]: # Example:
        nr=5 #it represents the length of 1st half of sand like pattern
        for r in range(0,nr):
            print("*",end=" ")
        print()
        for r1 in range(1,nr-1):
            for s in range(r1):
                print(" ",end="")
            for c in range(1):
                print("*", end="")
            for s1 in range(1,2*nr-2*r1-2):
                print(" ",end="")
            for c1 in range(1):
                print("*", end="")
            print()
        for r2 in range(1,nr-1):
            for s2 in range(r2,nr-1):
                print(" ",end="")
            for c2 in range(1):
                print("*", end="")
            for s3 in range(0,2*r2-1):
                print(" ",end="")
            for c3 in range(1):
                print("*", end="")
            print()
        for r3 in range(0,nr):
            print("*",end=" ")
```

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Question 3:

Given a list of integers, group all numbers which end with the same digit and return as a dictionary. The keys of the dictionary will be the last digit and value of dictionary will be a list of numbers. If given list is empty return -1.

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In [3]: # Example:
        Input = [22,3,22,2,71,11]
        def dict_return(Input):
            dict1={}
            lst_keys=[]
            for i in Input:
                x=i%10
                if x not in lst_keys:
                     y=lst_keys.append(x)
            for j in lst_keys:
                1st=[]
                for values in range(len(Input)):
                     if Input[values]%10==j:
                         lst.append(Input[values])
                         dict1[j]=lst
                1st=[]
            return dict1
        print(dict return(Input))
```

```
{2: [22, 22, 2], 3: [3], 1: [71, 11]}
```

Question 4:

Given a list of integers, find the index of the maximum value. If there are two maximums, return index of the first one. If given list is empty return -1. Do not use the index() method.

1

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In [ ]:
```