**Total Marks : 17**

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**Problem Statement :**

Find the largest alphabetical string in a given string? The given input must be a string and the output must be string.

|  |  |
| --- | --- |
| **Expected Input** | **Expected Output** |
| 1. anisha 2. praveen 3. abcdpqr 4. pqrsxyz 5. 123 | 1. is 2. een 3. abcdpqr 4. pqrs 5. Error: Invalid data type |

**Solution:**

1. Start
2. Read a string s
3. Calculate the length of the string s and store in n
4. Read two empty strings fs and s1
5. Initialize fmax and fcount to 0
6. Store all the values of the string in a container d
7. Put fs = d[i]
8. Initialize i = 1
9. If i<= (n-1) then
   1. If d[i]<= d[i+1] then
      1. Fcount = fcount + 1
      2. Fs = fs + d[i+1]
   2. Else
      1. If (fcount > = fmax) then
         1. fmax = fcount
         2. s1 = fs
      2. fcount = 0
      3. fs = fs + d[i+1]
10. Increment i and go to step 9
11. If fcount >= fmax then
    1. S1 = fs
12. Store the letters in the s1 in a container d2 using TOCHARACTERS function
13. Print s1
14. Stop

**Trace Table:**

**Results:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Expected Input** | **Expected Output** | **Actual Output** | **Result** |
|  |  |  |  |

**Test Cases:**

**Case 1:**

**Case 2:**

**Case 3:**

**Case 4:**

**Case 5:**