ASIF.I/O

Questions on Arrays

Q. WAP to accept a word and display it in following manner.
Sample Input : **Science**
Sample Output
S
c
i
e
n
c
e

```java
public static void main(String[] args) throws Exception

    String name = "Science";

    for (int i = 0; i < name.length(); i++) {
        char ch = name.charAt(i);
        System.out.println(ch);
    }
```

Q. WAP to accept a string and count number of vowel in it.

Sample Input: Yo bro
Sample Output:
Number of vowels = 2

```java
public class Driver {

    public static void main(String[] args) {

        Scanner in = new Scanner(System.in);
        String name = in.nextLine().toLowerCase(); //asif
        int v =0;
        for (int i = 0; i < name.length(); i++) {
            char ch = name.charAt(i);
            if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u') {
                v++;
            }
        }
        //...

        System.out.println("No of vowels : "+v);
    }
}
```

```java
public class Driver {

    public static void main(String[] args) {

        Scanner in = new Scanner(System.in);
        String nam                                  asIF
                      Scanner in = new Scanner(System.in)
        int v =0;      AIS Batch-1
        for (int i = 0; i < name.length(); i++) {
            char ch = name.charAt(i);
            //1. ch check
            if(Character.isLowerCase(ch)){
                System.out.print(Character.toUpperCase(ch));
            }else{
                System.out.print(Character.toLowerCase(ch));
            }
//...
    }
}
```

Q. WAP to accept a string and display the following.

1. Number of lower case character.
2. Number of upper case character.
3. Number of special character. (include space)
4. Number of digit character.

Sample Input : Pakur PIN code - 816107
Sample Output :
Number of lower case character = 8
Number of upper case character = 4
Number of special character = 5
Number of digit character = 6

```java
Scanner in = new Scanner(System.in);
String name = in.nextLine(); //Pakur PIN code - 816107
int l=0,u=0,d=0,sp=0;
for (int i = 0; i < name.length(); i++) {
    char ch = name.charAt(i);

    //1. ch check
    if(Character.isLetter(ch) && Character.isLowerCase(ch)) {
        l++;
    } else if (Character.isLetter(ch) && Character.isUpperCase(ch)) {
        u++;
    }
    else if (Character.isDigit(ch)) {
        d++;
    }else {
        sp++;
    }
}
```

Q. WAP to accept a name and display the initials along with the surname.
Sample Input: Asif Ali Ahmad
Sample Output : A. A. Ahmad

Q. WAP to accept a sentence in lower case and convert first letter of each alphabets in upper case.
Sample Input: we all are unique.
Sample Output : We All Are Unique.

Q. WAP to accept a word and check whether it is palindrome or not
Sample Input: madam.
Sample Output : Palindrome word

Q. WAP to accept 10 name in array and display it in ascending order of the letter.

Java by ASIF.IO

THANK YOU

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