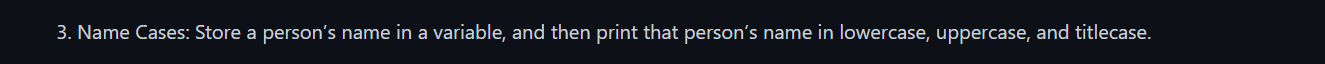
PanaVerse Assginment

Question#03:



Solution:

|  |  |
| --- | --- |
| Step#01:  What we need(Requirements):   1. A person’s name. 2. Display name of that person in following cases.   Lowercase(all letters are small).  Uppercase(all letters are capital).  Titlecase(capitalize initials of every word).  Step#02:  Let’s do code.   |  | | --- | | Code:  Initialize string variable to store person’s name.  let personName:string='Elon Musk';    //store person's name in block variable.  Now we have a build js function called toLowerCase() that will convert all letters in string to the lowercase.  let personName:string='Elon Musk';   //store person's name in block variable.  console.log(personName.toLowerCase());  //convert into lowercase  Now we have a build js function called toUpperCase() that will convert all letters in string to the uppercase.  let personName:string='Elon Musk';   //store person's name in block variable.  console.log(personName.toUpperCase());  //convert into uppercase  Now for titlecase we create an array(char) then copy the string on this array because string is a primitive datatype immutable in typescript if you try to rewrite or change value at any specific index of string, it will throw error. So we can change the value on specific index in array.  let temp=[];  {  for(let i=0;personName[i];i++){      if(i==0){      temp[i]=personName[i].toUpperCase();      }      else if(personName[i]==' '){          temp[i]=' ';          temp[i+1]=personName[i+1].toUpperCase();          i++;      }      else{      temp[i]=personName[i];      }  }  personName=temp.join('');  console.log(personName);  } |   Step#03:  Let’s run the code.  Output/Result:  Lowercase.    Uppercase.    Titlecase. |

Full Code Question03:

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| --- |
| let personName: string = "elon musk"; //store person's name in block variable.  console.log(    "Original String : " +      personName +      "\nLowerCase String : " +      personName.toLowerCase() +      "\nUpperCase String : " +      personName.toUpperCase()  );  //show name in lower & upper case.  // convert into titlecase.  let temp = [];  {    for (let i = 0; personName[i]; i++) {      if (i == 0) {        temp[i] = personName[i].toUpperCase();      } else if (personName[i] == " ") {        temp[i] = " ";        temp[i + 1] = personName[i + 1].toUpperCase();        i++;      } else {        temp[i] = personName[i];      }    }    personName = temp.join("");    console.log("TitleCase : "+personName);  } |

Full Output Question03:

