Q1. Write a program to replace a substring inside a string with other string ?
Input= ashutosh
substring=ab

Your Output (stdout)

```
1   ashabosh
```

Q2. Write a program to find the number of occurrences of the duplicate words in a string and print them ?
Input = ashutoh

Your Output (stdout)

```
1   count of h=2
```

Q3. Write a program to find the number of occurrences of a character in a string without using loop?

Input (stdin)

```
1   ashutoh
```

Your Output (stdout)

```
1   Number of occurances of 'h' in ashutoh = 2
```

Q4. Calculate the number & Percentage Of Lowercase Letters,Uppercase Letters, Digits And Other Special Characters In A String

Your Output (stdout)

```
1   Number of upperCaseLetter ashutoh@#HJK = 3
2   percentage of upperCaseLetter ashutoh@#HJK = 25.0
3   Number of lowerCaseLetter ashutoh@#HJK = 7
4   percentage of lowerCaseLetter ashutoh@#HJK = 58.0
5   Number of digits ashutoh@#HJK = 0
6   percentage of digits ashutoh@#HJK = 0.0
7   Number of specialcharacters ashutoh@#HJK = 2
8   percentage of specialcharacters ashutoh@#HJK = 16.0
```

Q5. Find common elements between two arrays.

```
1    array1 = {1, 2, 5, 5, 8, 9, 7, 10}
2     array2 = {1, 0, 6, 15, 6, 4, 7, 0}
```

Your Output (stdout)

```
1    Array1 : [1, 2, 5, 5, 8, 9, 7, 10]
2    Array2 : [1, 0, 6, 15, 6, 4, 7, 0]
3    Common element is : 1
4    Common element is : 7
```

Q6. There is an array with every element repeated twice except one. Find that element

Input (stdin)

```
1    a={1,1,2,2,3,3,4,4,5}
```

Your Output (stdout)

```
1    unique element = 5
```

Q7. Write a program to print your Firstname,LastName & age using static block,static method & static variable respectively

Your Output (stdout)

```
1
2    We are in static block
3    Name: Ashutosh Last Name: Singh Age: 21
4    We are in static method
5    Name: Ashutosh Last Name: Singh Age: 21
6    Using static Variable
7    Name: Ashutosh Last Name: Singh Age: 21
8
```

Q8. Write a program to reverse a string and remove character from index 4 to index 9 from the reversed string using String Buffer

Input=ashutoshsingh

```
Output: hgniuhsa
```

Q9.Write a program to display values of enums using a constructor & getPrice() method (Example display house & their prices)

Your Output (stdout)

```
 1
 2   All house prices
 3
 4   Cost of h1 is250000
 5
 6   Cost of h2 is1200000
 7
 8   Cost of h3 is5430000
 9
10   Cost of h4 is3000000
11
12   Cost of h5 is120000
```

Q10.Write a single program for following operation using overloading
 A) Adding 2 integer number
 B) Adding 2 double
 C) multiplying 2 float
 D) multiplying 2 int
 E) concate 2 string
 F) Concate 3 String

Your Output (stdout)

```
1   30
2   31.0
3   200
4   2.88
5   AshutoshSingh
6   Ashutosh98Singh
```

Q11.Create 3 sub class of bank SBI,BOI,ICICI all 4 should have method called getDetails which provide there specific details like rateofinterest etc,print details of every banks

Input (stdin)

```
1  Ashutosh
2  Singh
3  BOI
```

Your Output (stdout)

```
1
2  Enter your first name
3  Enter your last name
4  Enter bank name
5  The rate of interest is 4.6
6
```