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Dept. of Computer Science & Engineering

An Assignment on
Topic

Course Code: CSE-2214
Course Title: Object Oriented Programming Sessional

Submitted To:

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```java
public class Task1 {
    public static void main(String[] args ){
        Scanner input = new Scanner(System.in);
        int sum=0;
        for(int i=1; i<=100;i++)
        {
            sum = sum + i;
        }
        System.out.println(sum);

        //System.out.println((100+1)*100/2);This could also be done in this way
    }
```

```
public class Task2 {
    public static void main(String[] args ){
        Scanner input = new Scanner(System.in);
        int arr[] = new int[10];
        int c1=0,c2=0;
        for(int i=0; i<10; i++)
        {
            arr[i] = input.nextInt();
        }
        for(int i=0; i<10;i++)
        {
            if(arr[i]<0)c1++;
            else c2++;
        }

        System.out.printf("Number of negative numbers : %d\n",c1);
        System.out.printf("Number of positive numbers : %d\n",c2);
    }
}
```

```java
public class Task3 {
    public static void main(String[] args ){
        Scanner input = new Scanner(System.in);
        System.out.print("n = ");
        int n = input.nextInt();

        for(int i=1; i<=n; i++)
        {
            for(int j=n;j>i;j--)
            {
                System.out.print(" ");
            }
            for(int l=1;l<=i;l++)
            {
                System.out.print(l);
            }
            System.out.println("");
        }
    }
}
```

```
{
    Scanner input = new Scanner(System.in);
    int a,b,res;
    double c;
    char op;
    System.out.print("Enter first number: ");
    a = input.nextInt();
    System.out.print("Enter second number: ");
    b = input.nextInt();
    System.out.print("1.Addition (+).\n2.Sutraction (-).\n3.Multiplication (*).\n4.Division (/).\n");
    System.out.print("Enter operation number: ");
    op = input.next().charAt(0);
    switch(op){
        case '1':
            res = a + b;
            System.out.printf("The result is %d\n",res);
            break;
        case '2':
            res = a - b;
            System.out.printf("The result is %d\n",res);
            break;
        case '3':
            res = a * b;
            System.out.printf("The result is %d\n",res);
            break;
        case '4':
            c = a/b;
            System.out.printf("The result is %.2f\n",c);
            break;
```

```java
ublic class Task5 {
    public static void main(String[] args){
        Scanner input = new Scanner(System.in);
        System.out.print("Enter the number of element: ");
        int n = input.nextInt();
        System.out.printf("Enter %d integers: ",n);
        int arr[] = new int[n];
        for(int i=0;i<n;i++)
        {
            arr[i] = input.nextInt();
        }
        System.out.print("Enter the number to search: ");
        int s = input.nextInt();
        int k=0;
        for(int i:arr)
        {
            if(i==s)k++;
        }
        System.out.printf("%d occurred %d times in the array\n",s,k);

    }
```