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19BCE245

Practical 2

OOP Lab

Practical 2 A

Write a Java program to print the ASCII values for characters entered by the user.

CODE

```
import java.util.Scanner;
class prac2a2 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter a char to find it's ASCII value : "); //asks user to
enter a string (char)
        String ch = sc.nextLine(); //scans string
        char ch2 = ch.charAt(0); //take the first char of the string
        int value = (int)ch2; //typecasts char to int
        System.out.println("The ASCII value of " + ch2 + " is " + value); //prints the
ascii value
    }
}
```

INPUT :

~

OUTPUT :

```
Enter a char to find it's ASCII value : ~
The ASCII value of '~' is 126
```

Run Succeeded Time 197 ms Symbol ▾ Tabs: 4 ▾ 11 lines, 482 characters

CONCLUSION :

From the practical 2 A, we understood about to use of scanner class which is used for taking user input in our code. For using the scanner class we have to create an object of the class for which we can use any of the available methods found in the Scanner class documentation, which contains, `nextLine()`, `nextByte()`, `nextDouble()`, `nextInt()` etc. we also used typecasting in this code.

Practical 2 B

Write a Java program to get particulars of his/her birthday

CODE

```
import java.util.Scanner;
class prac2b {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int date;
        int month;
        int year;
        System.out.print("Enter your birth Date : ");
        date = sc.nextInt();
        System.out.print("Enter your birth Month : ");
        month = sc.nextInt();
        System.out.print("Enter your birth Year : ");
        year = sc.nextInt();
        System.out.println("Your Birthdate is " + date + "/" + month + "/" + year);
    }
}
```

INPUT :

```
8
12
2000
```

OUTPUT :

```
Enter your birth Date : 8
Enter your birth Month : 12
Enter your birth Year : 2000
Your Birthdate is 8/12/2000
```

✓ Run Succeeded Time 231 ms

prac2b ▾ Tabs: 4 ▾ Line 16, Column 2

CONCLUSION :

From the practical 2 B, we understood about the Scanner class (Same concept used as practical 2 A) which is in java.util package. It is the easiest way to read input in a java program. In this code we used this for taking 3 inputs from the user which is date, month and year and then using System.out.println we printed user's birthday in desired format.