



PRACTICAL - 2

Q-1. String to Int

public class Main{

 public static void main(String args[])

 String str = "123";

 int num1 = Integer.parseInt(str);

 int num2 = Integer.valueOf(str);

 System.out.println("Input string: " + str);

 System.out.println("Using parseInt: " + num1);

 System.out.println("Using valueOf: " + num2);

 }

Output

Input string: 123

Using parseInt: 123

Using valueOf: 123

Q-2 INT TO STRING

public class Main{

 public static void main(String args[])

 int num = 456;

 String str1 = String.valueOf(num);

 String str2 = Integer.toString(num);



```
System.out.println("Input Integer: "+num)
System.out.println("Using String.valueOf: "
+ str1);
System.out.println("Using Integer.toString: "
+ str2);
```

Output -

```
Input Integer: 456
Using String.valueOf: 456
Using Integer.toString: 456
```

Q-3 STRINGS TO LONG

```
public class Main {
```

```
    public static void main(String[] args) {
```

```
        String str = "1569345";
```

```
        long num = Long.parseLong(str);
```

```
        System.out.println("Input String: "+str);
        System.out.println("Converted Long: "+num);
```

Output -

```
Input String: 1569345
Converted Long: 1569345
```



Q-4 Long To String

Class Main {

public static void main (String [] args) {

long num = 9876543210L;

String str = long.tostring (num);

System.out.println ("Input Long: " + num);
System.out.println ("Converted String: " + str);

}
}

Output

Input Long: 9876543210

Converted String: 9876543210

Q-5 String to double

Class Main {

public static void main (String [] args) {

String str = "45.67";

double num = Double.parseDouble (str);

System.out.println ("Input String: " + str);

System.out.println ("Converted Double: " + num);

}
}



Output -

Input String: 45.67
Converted Double: 45.67

Q-6 Double to string

```
class Main {  
    public static void main(String[] args) {  
        double num = 78.9;  
        String str = Double.toString(num);  
        System.out.println("Input Double: " + num);  
        System.out.println("Converted String: "  
                           + str);  
    }  
}
```

Output

Input Double: 78.9
Converted String: 78.9

Q-7 String to Date

```
import java.text.SimpleDateFormat;  
import java.util.Date;
```

```
class Main {  
    public static void main(String args[]) {  
        String datestr = "2025-01-17";
```



try {

SimpleDateFormat formatter =
new SimpleDateFormat("yyyy-MM-dd")

formatter.setLenient(false);

Date date = formatter.parse(datestr);

System.out.println("Input String: " + datestr)

System.out.println("Converted date: "
+ date);

} catch (Exception e) {

System.out.println("invalid date
format: " + e);

Output:

input string: 2025-01-01

converted date: Fri Jan 01 00:00:00 CEST 2025

Q-8 Date to String

```
import java.text.SimpleDateFormat;
```

```
import java.util.Date;
```

```
public class Main {
```

```
    public static void main(String[] args) {
```

Date date = new Date();

SimpleDateFormat formatter = new

SimpleDateFormat("yyyy-MM-dd");

String datestr = formatter.format(date);

```
System.out.println("Input Date: " + date);
System.out.println("Formatted Date String: "
    + datestr);
}
```

Output

Input Date: Sat Feb 01 05:18:58 GMT 2025
Formatted Date String: 2025-02-01

Q-9 Strong to characters

```
public class Main {  
    public static void main(String[] args) {
```

String str = "A";

if (str.length() == 1) {

`char ch = str.charAt(0);`

System.out.println("Input String: ");

```
System.out.println("Input converted  
characters: "+ch);
```

{ else }

```
System.out.println("Input is not a  
single character.");
```

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Output

Input String: A

converted character: A

Q-10 String to Object

```
public class Main {
```

```
    public static void main(String args[])
```

```
        String str = "Hello World";
```

```
        Object obj = str;
```

```
        System.out.println("Input String: " + str);
```

```
        System.out.println("Converted Object: " + obj);
```

```
}
```

```
}
```

Output

Input String: Hello World.

Converted Object: Hello World.

Q-11 Object to String

```
public class Main {
```

```
    public static void main(String args[]) {
```

```
        Object obj = "Welcome to java!";
```

```
        String str = obj.toString();
```

```
        System.out.println("Input object: " + obj);
```



System.out.println("Converted String:" + str);

Output:

Input object: Welcome to Java!

Converted string: Welcome to Java!

Q-12 int to Long

```
public class Main {  
    public static void main(String args[]) {  
        int num = 42;  
        long lng = num;
```

System.out.println("Input integer:" + num)

System.out.println("Converted long:" + lng);

Output:

Input integer: 42

Converted long: 42

Q-13 Long to int

```
public class Main {  
    public static void main(String args[]) {  
        long lng = 123456L;  
        int num = (int) lng;
```



```
System.out.println("Input Long: " + long);
System.out.println("Converted Integer: "
+ num);
}
```

Output.

input Long: 123456

converted Integer: 123456

Q14 int to double

```
public class IntToDouble {
```

```
public static void main(String args[]) {
```

```
int num = 25;
```

```
double dbl = num;
```

```
System.out.println("Input Integer: " + num)
```

```
System.out.println("Converted Double: "
+ dbl);
```

```
}
```

Output.

input Integer: 25

Converted Double: 25.0



a-15 double to int

public class DoubleToInt {

public static void main (String args[]) {

double dbl = 45.67;

int num = (int) dbl;

System.out.println ("input double: " + dbl);

System.out.println ("Converted integer: " + num);

Output

input double: 45.67

Converted integer: 45

a-16. char to int

public class CharToInt {

public static void main (String args[]) {

char ch = 'A';

int charToInt = (int) ch;

System.out.println ("input character: " + ch);

System.out.println ("Converted integer: " + charToInt);



Output

input character: A
converted integer: 65

Q-17. Int to char:

```
public class IntTochar {
```

```
    public static void main(String[] args){  
        int num = 65;  
        char intTochar = (char)num;  
        System.out.println("Int to char:  
                           + intTochar);  
    }  
}
```

Output:

Int to char: A

Q-18. String to Boolean:

```
public class StringToBoolean {
```

```
    public static void main(String[] args){  
        String str = "true";  
        boolean StringToBoolean =  
            Boolean.parseBoolean(str);  
        System.out.println("String to Boolean:  
                           + StringToBoolean);  
    }  
}
```



O-19. Boolean to String

```
public class BooleanToString{
```

```
    public static void main(String[] args){
```

```
        boolean boolValue = true;
```

```
        String booleanToString = String.
```

```
            valueOf(boolValue);
```

```
        System.out.println("Boolean to String: "
```

```
            + booleanToString);
```

```
}
```

Output

Boolean. To String: true.

O-20 Date to Timestamp

```
import java.util.Date;
```

```
public class Main{
```

```
    public static void main(String[] args){
```

```
        Date date = new Date();
```

```
        long timestamp = date.getTime();
```

```
        System.out.println("Date to Timestamp")
```

```
        + timestamp);
```

```
}
```

```
3.
```

Output:

Date to TimeStamp: 1738990456672

Q-2) Timestamp to Date

```
import java.util.Date;  
public class TimestampToDate {  
    public static void main(String[] args){  
        long timestamp = 1704068492345L;  
        Date date = new Date(timestamp);  
        System.out.println("Timestamp to  
        Date "+date);  
    }  
}
```

Output:

Timestamp to Date Mon Jan 01 00:21:32
GMT 2024.

Q-22) binary to Decimal

```
public class BinaryToDecimal {  
    public static void main(String[] args){  
        String binary = "1010";  
        int decimal = Integer.parseInt(binary, 2);  
        System.out.println("Binary to Decimal"  
        +decimal);  
    }  
}
```



3
3
Output:

Binary to Decimal : 10

a-23) Decimal to Binary

public class DecimalToBinary {

 public static void main(String[] args)

 int decimal = 10;

 String binary = Integer.toBinaryString(decimal);

 System.out.println("Decimal to Binary:
 + binary);

3
3
Output:

Decimal to binary: 1010

a-24) hex to decimal:

public class hexToDecimal {

 public static void main(String[] args)

 String hex = "A";

 int decimal = Integer.parseInt(hex, 16);

 System.out.println("Hex to Decimal:
 + decimal);

3
3



Output

Hex to Decimal : 10

25. Decimal to Hex

```
public class DecimalToHex {
```

```
    public static void main(String[] args) {
```

```
        int decimal = 10;
```

```
        String hex = Integer.toHexString(decimal);
```

```
        System.out.println("Decimal to Hex: " + hex);
```

```
    }
```

Output

Decimal to Hex : a

26. Octal to Decimal

```
public class OctalToDecimal {
```

```
    public static void main(String[] args) {
```

```
        String octal = "10";
```

```
        int decimal = Integer.parseInt(octal, 8);
```

```
        System.out.println("Octal to Decimal: " + decimal);
```

```
    }
```



Output:

Octal. to Decimal: 10

27. Decimal to Octal

```
public class DecimalToOctal {
```

```
    public static void main(String[] args) {
```

```
        int decimal = 10;
```

```
        String octal = Integer.toOctalString(decimal);
```

```
        System.out.println("Decimal to Octal:" + octal);
```

```
}
```

```
}
```

Output:

Decimal to Octal: 12