STEP_1

```
import java.util.Scanner;
public class ConvertMoneyToNumberMain {
 public static void main(String args[]) {
  String str2 = "";
  NumToWords w = new NumToWords();
  Scanner input = new Scanner(System.in);
  System.out.print("Enter Money Amount(Rs.Ps): ");
  String amt = input.next();
  int rupees = Integer.parseInt(amt.split("\\.")[0]);
  String str1 = w.convert(rupees);
  str1 += " Rupees ";
  int paise = Integer.parseInt(amt.split("\\.")[1]);
  if (paise != 0) {
   str2 += " and";
   str2 = w.convert(paise);
   str2 += " Paise";
  }
  System.out.println(str1 + str2 + " Only");
 }
}
```

```
class NumToWords {
 String string;
 String st1[] = { "Zero", "One", "Two", "Three", "Four", "Five",
"Six",
   "Seven", "Eight", "Nine", };
 String st2[] = { "Hundred", "Thousand", "Lac", "Crore" };
 String st3[] = { "Ten", "Eleven", "Twelve", "Thirteen", "Fourteen",
   "Fifteen", "Sixteen", "Seventeen", "Eighteen", "Ninteen", };
 String st4[] = { "Twenty", "Thirty", "Fourty", "Fifty", "Sixty",
"Seventy",
   "Eighty", "Ninty" };
```

```
 public String convert(int number) {
  int n = 1;
  int word;
  string = "";
  while (number != 0) {
   switch (n) {
   case 1:
    word = number % 100;
    pass(word);
    if (number > 100 && number % 100 != 0) {
     show("and ");
```

```
    }
    number /= 100;
    break;
   case 2:
    word = number % 10;
    if (word != 0) {
     show(" ");
     show(st2[0]);
     show(" ");
     pass(word);
    }
    number /= 10;
    break;
   case 3:
    word = number % 100;
    if (word != 0) {
     show(" ");
     show(st2[1]);
     show(" ");
     pass(word);
    }
    number /= 100;
    break;
   case 4:
    word = number % 100;
    if (word != 0) {
     show(" ");
     show(st2[2]);
     show(" ");
     pass(word);
    }
    number /= 100;
    break;
   case 5:
    word = number % 100;
    if (word != 0) {
     show(" ");
     show(st2[3]);
     show(" ");
     pass(word);
    }
    number /= 100;
    break;
   }
   n++;
  }
  return string;
 }
```

```
 public void pass(int number) {
  int word, q;
  if (number < 10) {
   show(st1[number]);
  }
  if (number > 9 && number < 20) {
   show(st3[number - 10]);
  }
  if (number > 19) {
   word = number % 10;
   if (word == 0) {
    q = number / 10;
    show(st4[q - 2]);
   } else {
    q = number / 10;
    show(st1[word]);
    show(" ");
    show(st4[q - 2]);
   }
  }
 }

 public void show(String s) {
  String st;
  st = string;
  string = s;
  string += st;
 }
}
```

STEP_2

```
import java.math.BigDecimal;
import java.util.ArrayList;
import java.util.Collections;
import java.util.HashMap;

/**
 *
 * @author rajesh kumar sahanee
 */
public class Currency {

    public static String convertToIndianCurrency(String num) {
        BigDecimal bd = new BigDecimal(num);
        long number = bd.longValue();
        long no = bd.longValue();
        int decimal = (int)
(bd.remainder(BigDecimal.ONE).doubleValue() * 100);
        int digits_length = String.valueOf(no).length();
        int i = 0;
        ArrayList<String> str = new ArrayList<>();
        HashMap<Integer, String> words = new HashMap<>();
        words.put(0, "");
        words.put(1, "One");
        words.put(2, "Two");
        words.put(3, "Three");
        words.put(4, "Four");
        words.put(5, "Five");
        words.put(6, "Six");
        words.put(7, "Seven");
        words.put(8, "Eight");
        words.put(9, "Nine");
        words.put(10, "Ten");
        words.put(11, "Eleven");
        words.put(12, "Twelve");
        words.put(13, "Thirteen");
        words.put(14, "Fourteen");
        words.put(15, "Fifteen");
        words.put(16, "Sixteen");
        words.put(17, "Seventeen");
        words.put(18, "Eighteen");
        words.put(19, "Nineteen");
        words.put(20, "Twenty");
        words.put(30, "Thirty");
        words.put(40, "Forty");
        words.put(50, "Fifty");
        words.put(60, "Sixty");
        words.put(70, "Seventy");
        words.put(80, "Eighty");
        words.put(90, "Ninety");
```

```
        String digits[] = {"", "Hundred", "Thousand", "Lakh",
"Crore"};
        while (i < digits_length) {
            int divider = (i == 2) ? 10 : 100;
            number = no % divider;
            no = no / divider;
            i += divider == 10 ? 1 : 2;
            if (number > 0) {
                int counter = str.size();
                String plural = (counter > 0 && number > 9) ? "s" :
"";
                String tmp = (number < 21) ?
words.get(Integer.valueOf((int) number)) + " " + digits[counter] +
plural : words.get(Integer.valueOf((int) Math.floor(number / 10) *
10)) + " " + words.get(Integer.valueOf((int) (number % 10))) + " " +
digits[counter] + plural;
                str.add(tmp);
            } else {
                str.add("");
            }
        }

        Collections.reverse(str);
        String Rupees = String.join(" ", str).trim();

        String paise = (decimal) > 0 ? " And Paise " +
words.get(Integer.valueOf((int) (decimal - decimal % 10))) + " " +
words.get(Integer.valueOf((int) (decimal % 10))) : "";
        return "Rupees " + Rupees + paise + " Only";
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        System.out.println("56721351.61 = " +
Currency.convertToIndianCurrency("56721351.61"));
    }

}
```