// import the scanner from java.util package  
import java.util.Scanner;  
  
public class PhoneKeyPads {  
  
  
 public static void main(String[] args) {  
  
 // create a scanner object  
 Scanner input = new Scanner(System.*in*);  
  
 // prompt the user to enter a letter Upper or lower case  
 System.*out*.print("Please Enter an Upper or Lower Case Letter: ");  
  
 // declare a string variable userInput then assign the letter entered to it  
 String userInput = input.nextLine();  
  
 // declare a character variable then retrieve the character at position 0 from the string userInput  
 // and assign it to the character variable  
 char characterEntered = userInput.charAt(0);  
  
  
 // use a switch statement to compare the character entered to the corresponding case letter then display  
 // the result if a match in found and exit the switch statement with the break; if no match is found display the default  
 // statement  
 switch(characterEntered){  
  
 case 'a':  
 case 'b':  
 case 'c':  
 case 'A':  
 case 'B':  
 case 'C': System.*out*.println("The corresponding number is: 2"); break;  
  
 case 'd':  
 case 'e':  
 case 'f':  
 case 'D':  
 case 'E':  
 case 'F': System.*out*.println("The corresponding number is: 3"); break;  
  
 case 'g':  
 case 'h':  
 case 'i':  
 case 'G':  
 case 'H':  
 case 'I': System.*out*.println("The corresponding number is: 4"); break;  
  
 case 'J':  
 case 'K':  
 case 'L':  
 case 'j':  
 case 'k':  
 case 'l': System.*out*.println("The corresponding number is: 5"); break;  
  
 case 'm':  
 case 'n':  
 case 'o':  
 case 'M':  
 case 'N':  
 case 'O': System.*out*.println("The corresponding number is: 6"); break;  
  
 case 'P':  
 case 'Q':  
 case 'R':  
 case 'S':  
 case 'p':  
 case 'q':  
 case 'r':  
 case 's': System.*out*.println("The corresponding number is: 7"); break;  
  
 case 't':  
 case 'u':  
 case 'v':  
 case 'T':  
 case 'U':  
 case 'V': System.*out*.println("The corresponding number is: 8"); break;  
  
 case 'W':  
 case 'X':  
 case 'Y':  
 case 'Z':  
 case 'w':  
 case 'x':  
 case 'y':  
 case 'z': System.*out*.println("The corresponding number is: 9"); break;  
  
 default: System.*out*.println( characterEntered + " is an Invalid Letter. Try again!");  
  
  
 } // end of the switch statement  
  
 }