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| A picture containing drawing, stop, room  Description automatically generated | Core Java  Practical #2 | | |
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| **Subject/Course:** | Core Java | | |
| **Topic** | Command Line Arguments, Iterations, Conditional Statements & String methods | | |
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| **Command Line Arguments** | | | |
| 1. Prompt the user for 2 integers using command line argument and print sum, difference, product, average, maximum and minimum. | | | |
| class Practical2a{  public static void main(String args[]){  int a,b;  a=Integer.parseInt(args[0]);  b=Integer.parseInt(args[1]);  System.out.println("Sum = " +(a+b));  System.out.println("Sub = " +(a-b));  System.out.println("Multiply = " +(a\*b));  System.out.println("Div = " +(a/b));  System.out.println("Avg = " +((a+b)/2));  System.out.println("Max = " + Math.max(a,b));  System.out.println("Min = " + Math.min(a,b));  }  } | | | |
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| **Iterations** | | | |
| 1. Get the output as shown below if the user inputs a string ‘D’:   A  B A  C B A  D C B A | | | |
| import java.util.\*;  class Ascii{  public static void main(String args[]){  Scanner sc=new Scanner(System.in);  System.out.println("Enter a Character " );  char a=sc.next().toUpperCase().charAt(0);  int alpha=65;  int x=a;  for (int i=0;i<=x-alpha;i++){  for(int j=i;j>=0;j--){  System.out.print((char)(alpha+j)+"");  }  System.out.println();  }  }  } | | | |

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| **Conditional Statements & String methods** |
| 1. Write a Java program that takes the user to provide a single character from the alphabet. Print Vowel or Consonant, depending on the user input. If the user input is not a letter (between a and z or A and Z), or is a string of length > 1, print an error message. |
| import java.util.\*;    public class two {  public static void main(String[] args) {    Scanner sc=new Scanner(System.in);  System.out.println("Enter a Character : ");  String text=sc.next();    if(text.length()>1){  System.out.println("Enter a single Character");  }  else {  char text2=text.toUpperCase().charAt(0);  if(text2=='A'|| text2=='E'|| text2=='I'|| text2=='O'|| text2=='U'){  System.out.println("It is a Vowel");  }  else {  System.out.println("It is a Consonant");  }  }  }  } |