Practical No 01

Title : Study of JAVA EE & Eclipse IDE Lab Exercises

A] Factorial of number.

B] Merging of Array

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**A] Factorial Program:**

class FactorialNumber

{

public static void main(String[] args)

{

int fact = 1,num=5;

for (int i=1;i<=num;i++)

{

fact = fact\*i;

}

System.out.println("Factorial of Number is : "+fact);

}

}

**OUTPUT :**

E:\PROGRAM\COLLEGE>javac FactorialNumber.java

E:\PROGRAM\COLLEGE>java FactorialNumber

Factorial of 5 is : 120

1. **Merging of Array program**

**import** java.util.Scanner;

**publicclass** Merge\_Array

{

**publicstaticvoid** main(String args[])

{

**int** size1, size2, size, i, k;

**int** arr1[] = **newint**[50];

**int** arr2[] = **newint**[50];

**int** merge[] = **newint**[100];

@SuppressWarnings("resource")

Scanner scan = **new** Scanner(System.***in***);

System.***out***.print("Enter Array 1 Size : ");

size1 = scan.nextInt();

System.***out***.print("Enter Array 1 Elements : ");

**for**(i=0; i<size1; i++)

{

arr1[i] = scan.nextInt();

}

System.***out***.print("Enter Array 2 Size : ");

size2 = scan.nextInt();

System.***out***.print("Enter Array 2 Elements : ");

**for**(i=0; i<size2; i++)

{

arr2[i] = scan.nextInt();

}

System.***out***.print("Merging the Arrays...\n");

**for**(i=0; i<size1; i++)

{

merge[i] = arr1[i];

}

size = size1 + size2;

**for**(i=0, k=size1; k<size && i<size2; i++, k++)

{

merge[k] = arr2[i];

}

System.***out***.print("Now the New Array after Merging is :\n");

**for**(i=0; i<size; i++)

{

System.***out***.print(merge[i] + " ");

}

}

}

**Output:**

E:\PROGRAM\COLLEGE>java Merge\_Array

Enter Array 1 Size : 4

Enter Array 1 Elements : 2 5 3 1

Enter Array 2 Size : 4

Enter Array 2 Elements : 4 3 5 6

Merging the Arrays...

Now the New Array after Merging is :

2 5 3 1 4 3 5 6