

Writing Efficient Programs

Workbook

Answer the following

1. A program to display the sum of factors of a number.

Solution-A Write your understanding about the below code?

Solution-B Write your understanding about the below code?



```
Observe List out the differences between SolutionA and SolutionB?
2. A program to display the greatest of three numbers?
  Solution-A Wirte your understanding about the below code?
      class SolutionA {
           public static void main(String[] args) {
               int a = Integer.parseInt(args[0]);
               int b = Integer.parseInt(args[1]);
               int c = Integer.parseInt(args[2]);
               if (a > b \&\& a > c) {
                    System.out.println(a);
               else if (b > c) 
                    System.out.println(b);
               } else {
   10
                    System.out.println(c);
   11
   12
           }
   13
      }
   14
  Solution-B Write your understandinf about the below code?
      class SolutionB {
           public static void main(String[] args) {
    2
               int a = Integer.parseInt(arsg[0]);
    3
               int b = Integer.parseInt(args[1]);
               int c = Integer.parseInt(args[2]);
               int max = a;
               if (b > max)
                    \max = b;
               if (c > max)
                    \max = c;
   10
               System.out.println(max);
           }
```

13 }



Obse	erve	List	out t	he	diffe	erenc	es be	etwee	n S	olutio	onA	and	Sol	ution	nBi