

Subject – CS602– Service Oriented Programming

Submission – 22 – 03 – 2022 (EOD)

Note: If you are ended (last digit) with odd

Assignment Question Total – 15m

Part A(3X10=30)

1. Write a program to display random password with minimum one uppercase alphabet, one lowercase alphabet, one number and one special character, with a total of 10 wordsize.
2. Write a program to sort an array with ascending order in one half and descending order in the other half in java.
3. Write a java program with a recursive function to find the factorial of a number, $n!$, defined by $\text{fact}(n)=1$, if $n=0$. Otherwise $\text{fact}(n)=n*\text{fact}(n-1)$. Using this function, write a java program to compute the binomial coefficient nCr . Tabulate the results for different values of n and r with suitable messages
4. Write a program to find the gcd of the given three numbers.
5. Write a Servlet java Program to display the values of employees such as empid, empname, empsalary, emplocation, empdesignation, empaddress, empphone using html and display and store it to the mysql database files.
6. Write a java program to find the highest prime number in 1000 and store it in database structures.
7. Create a Library application such as bookid, bookname, bookauthor, bookpublication, bookprice and purchasedate using database structures and implement CRUD application in it.

Subject – CS602– Service Oriented Programming

Submission – 22 – 03 – 2022 (EOD)

Note: If you are ended (last digit) with Even

Assignment Question Total – 15m

Part A(3X10=30)

1. Write a program to display random password by generating pin number with the size of 8 digits
2. Write a program in java to perform binary search from the given array of 10 elements.
3. Write a java program using pointers to compute the sum, mean and standard deviation of all elements stored in an array of n real numbers
4. Write a java program to perform matrix multiplication
5. Write a Servlet java Program to display the values of student details such as studid, studname, sub1, sub2, sub3, studaddress, studphone using html and calculate the total and average of subjects marks by finding the remarks of the subjects and store it to the mysql database structures.
6. Write a java program to find the get n different names and sort the names in descending orders from the given names and store the first names in the databases
7. Create a movie database such as Movieid, moviename, movieactor, movieyear, movielang and moviedirector using database tables and implement CRUD application in it.