

## Unit-1 [Core Java]

|                                 |   |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
|---------------------------------|---|---------------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|------------------------|---------------------------------------|---------------------------------|-------------------------------|----------------------------|
| 1.                              | Write a java code to print your name.   |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 2.                              | Write a java code to store information about student like rollno, name,age,percentage,address, result,grade.  |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 3.                              | Write a java code to input any three number and check whether which number is bigger.   |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 4.                              | Write a java code to input any one number and check whether given number is even or even.   |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 5.                              | Write a java code to input any one number and check whether given number is prime or not.   |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 6.                              | Write a java code to input any one number and create fibonancie series of given number.<br>N=5<br>Fibonancie series: 0 1 1 2 3 5 7 12...  |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 7.                              | Write a java code to input any one number and check whether given number is even or even but check based on set up flag variable.   |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 8.                              | Write a java code to input two number and swap these two numbers using third variable.  |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 9.                              | Write a java code to input any one number and generate factorial number for given number.   |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 10                              | Write a java code to input any one number and create reverse number for given number.   |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 11                              | Write a java code to input any one number and calculate sum of each digit of given number.<br>N=123<br>Sum=6  |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 12                              | Write a java code to store name of the five students inside only one variable.  |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 13                              | Write a java code to create a type casting for given inputs. Example: Input: 2.72 output: 2<br>Input: 5 output: 5.00  |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 14                              | Write a java code to create following pyramid. <table><tr><td>*<br/>**<br/>***<br/>****<br/>*****</td><td>1<br/>12<br/>123<br/>1234<br/>12345</td><td>1<br/>22<br/>333<br/>4444<br/>55555</td><td>A<br/>BB<br/>CCC<br/>DDDD<br/>EEEE</td><td>A<br/>AB<br/>ABC<br/>ABCD<br/>ABCDE</td><td>1<br/>1 2<br/>3 5 8<br/>13 21 34 55</td></tr><tr><td>0<br/>01<br/>011<br/>0112<br/>01123</td><td>1<br/>23<br/>456<br/>7891</td><td>1<br/>26<br/>3710<br/>481113<br/>59121415</td><td>1<br/>24<br/>135<br/>2468<br/>13579</td><td>1<br/>3 2<br/>6 5 4<br/>10 9 8 7</td><td>1<br/>3 8 5<br/>7 9 40 11 13</td></tr></table> | *<br>**<br>***<br>****<br>*****       | 1<br>12<br>123<br>1234<br>12345 | 1<br>22<br>333<br>4444<br>55555 | A<br>BB<br>CCC<br>DDDD<br>EEEE   | A<br>AB<br>ABC<br>ABCD<br>ABCDE | 1<br>1 2<br>3 5 8<br>13 21 34 55 | 0<br>01<br>011<br>0112<br>01123 | 1<br>23<br>456<br>7891 | 1<br>26<br>3710<br>481113<br>59121415 | 1<br>24<br>135<br>2468<br>13579 | 1<br>3 2<br>6 5 4<br>10 9 8 7 | 1<br>3 8 5<br>7 9 40 11 13 |
| *<br>**<br>***<br>****<br>***** | 1<br>12<br>123<br>1234<br>12345   | 1<br>22<br>333<br>4444<br>55555       | A<br>BB<br>CCC<br>DDDD<br>EEEE  | A<br>AB<br>ABC<br>ABCD<br>ABCDE | 1<br>1 2<br>3 5 8<br>13 21 34 55 |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 0<br>01<br>011<br>0112<br>01123 | 1<br>23<br>456<br>7891  | 1<br>26<br>3710<br>481113<br>59121415 | 1<br>24<br>135<br>2468<br>13579 | 1<br>3 2<br>6 5 4<br>10 9 8 7   | 1<br>3 8 5<br>7 9 40 11 13       |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 15                              | Write a java code to input any string and check whether given string is palindrome or not.  |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 16                              | Write a java code to perform calculator operation using function.   |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 17                              | Write a java code to swap two number using UDF function.  |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 18                              | Write a java code to check inputted number is even or odd using UDF function.   |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 19                              | Write a java code to print your personal detail like name,address,email,mobileno... by creating 'person' package.   |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |
| 20                              | Write a java code to crate calculator operation and execute by 'calc' package.  |                                       |                                 |                                 |                                  |                                 |                                  |                                 |                        |                                       |                                 |                               |                            |