Heaven's Light is Our Guide Rajshahi University of Engineering & Technology Department of Computer Science & Engineering

Lab Manual

Course Code: **CSE 1204 (Sec A)**Course Title: Sessional based on CSE 1203
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Module 7 [Advanced Topics: Java Programming]: (for Week 11)

Topic 1[inheritance: use of super keyword]

Problem Statement: For the following Java program write

- i) to display x of class A in class B
- ii) statement to call getX() of class A in class B
- iii) to call parameterized constructor of in class B

```
class A{
  int x;
  public A(){
    x=0;
  public A(int x){
    this.x=x;
  public int getX(){
     return(x+10);
  }
class B extends A{
  int x=20;
  public int getX(){
     return(x+10);
public class First{
      public static void main(String[] args) {
}
```

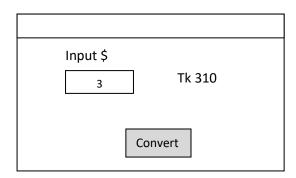
Topic 2[interface in Java]

Problem Statement: Write three interfaces in Java namely AI,BI and CI with the following activities:

- Declare method PrintA() in AI
- ii) Declare method PrintB() in BI
- iii) Declare method PrintC() in CI
- iv) write body of PrintA() in class A
- v) write body of PrintB() in class B which is inherited from class A
- vi) write body of PrintC() in class C which is inherited from class B
- vii) Create object of class C in main() of First class and invoke PrintA(), PrintB() and PrintC()

Topic 3[java swing: Money Changer]

Problem Statement: Write a Money Changer program in Java with the following components. When user clicks **Convert** button, its shows the output in a label. It also show error message if user inputs wrong value to the input box.



Topic 4[java swing: practice]

Problem Statement: Write any real-life program you like using java swing.