**1)Is Nested Simple If permitted ?**

**public class SimpleIf**

**{**

**public static void main(String[] args)**

**{**

**Int x=10;**

**Int y=15;**

**If(x>5){**

**If(y>15)**

**{**

**System.out.println(“x is greater than 5 and y is greater than 15”);**

**}else{**

**System.out.println(“x is greater than 5 but y is not greater than 15”);**

**}**

**}else{**

**System.out.println(“x is not greater than 5”);**

**}**

**}**

**}**

**------------------------------**

**2)Is Nested if else permitted ?**

**public class SimpleIf**

**{**

**public static void main(String[] args)**

**{**

**int x=10;**

**int y=5;**

**If(x>y){**

**System.out.println(“x is greater than y”);**

**If(x>0){**

**System.out.println(“x is positive”);**

**}else{**

**System.out.println(“x is negative”);**

**}**

**}else{**

**System.out.println(“x is less than or equal to y”);**

**}**

**}**

**}**

**3) Is Nested if else permitted ?**

**public class SimpleIf {**

**public static void main(String[] args) {**

**int x = 10;**

**int y = 20;**

**if (x > 5) {**

**if (y > 15) {**

**System.out.println("x is greater than 5 and y is greater than 15");**

**} else {**

**System.out.println("x is greater than 5 but y is not greater than 15");**

**}**

**} else {**

**if (y > 15) {**

**System.out.println("x is not greater than 5 but y is greater than 15");**

**} else {**

**System.out.println("x is not greater than 5 and y is not greater than 15");**

**}**

**}**

**}**

**}**

**4)Nested while**

**public class Example {**

**public static void main(String[] args) {**

**int i = 1;**

**while (i <= 5) {**

**int j = 1;**

**while (j <= i) {**

**System.out.print(j + " ");**

**j++;**

**}**

**System.out.println();**

**i++;**

**}**

**}**

**}**

**5)Nested Do While**

**public class Example {**

**public static void main(String[] args) {**

**int i = 1;**

**do {**

**int j = 1;**

**do {**

**System.out.print(j + " ");**

**j++;**

**} while (j <= i);**

**System.out.println();**

**i++;**

**} while (i <= 5);**

**}**

**}**