**ASSIGNMENT 7: NESTED LOOPS**

**1 .Write a program to print table from 2 to 10.**

**package** nestedloops;

**public** **class** table {

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

**for**(**int** i=1;i<=10;i++)

{

**int** count=2;

**for**(**int** j=2;j<=10;j++)

{

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

}

count++;

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

}

}

}

**Output:**

2 3 4 5 6 7 8 9 10

4 6 8 10 12 14 16 18 20

6 9 12 15 18 21 24 27 30

8 12 16 20 24 28 32 36 40

10 15 20 25 30 35 40 45 50

12 18 24 30 36 42 48 54 60

14 21 28 35 42 49 56 63 70

16 24 32 40 48 56 64 72 80

18 27 36 45 54 63 72 81 90

20 30 40 50 60 70 80 90 100

2 . **Write a program using nested loop to print star patterns**

* **package** nestedloops;

**public** **class** table {

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

**for**(**int** i=1;i<=10;i++)

{

**int** count=2;

**for**(**int** j=2;j<=10;j++)

{

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

}

count++;

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

}

}

}

**Output:**

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* **package** nestedloops;

**public** **class** star2 {

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

**char** num = '\*';

**for** (**int** k = 1; k <= 5; k++) {

**for** (**int** i = 1; i <= k; i++) {

System.***out***.print(num);

}

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

}

// **TODO** Auto-generated method stub

}

}

**Output:**

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* **package** nestedloops;

**public** **class** star3 {

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

**int** a=1;

**for**(**int** i=0;i<=5;i++)

{

**for**(**int** j=0;j<5-i;j++)

{

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

}

**for**(**int** k=0;k<a;k++)

{

System.***out***.print("\*");

}

a=a+2;

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

}

}

}

**Output:**

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* **package** nestedloops;

**public** **class** star5 {

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

**for**(**int** k=1;k<=5;k++)

{

**for**(**int** i=k;i<=5;i++)

{

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

}

**for**(**int** j=1;j<=k;j++)

{

System.***out***.print("\*");

}

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

}}}

**Output:**

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