Vaje 03

Lin Čadež, g 3. a

1. **A)**

```
public class Main {
  public static void main(int a, int b) {
      if(a>b){
          System.out.println("Prvo je večje od drugega.");
      }
      else{

          System.out.println("Drugo je večje od prvega.");
      }

  }
}
```

B)

```
public class Main{
    public static void main(String[] neki){
        int arg1 = Integer.valueOf(neki[0]);
        int arg2 = Integer.valueOf(neki[1]);


        if(arg1>arg2){
            System.out.println(arg1 + " " + arg2);

        }
        else{
            System.out.println(arg2 + " " + arg1);
        }


    }
}
```

2.

```java
public class Main {
  public static void main(String[] args) {

      int[] Out = new int[args.length];

      for(int k=0; k < args.length; k++)
      {
          Out[k] = Integer.valueOf(args[k]);
      }

      for(int i=0; i < Out.length; i++){
          for (int j = i + 1; j < Out.length; j++) {
              int temp = 0;
              if(Out[i] > Out[j]){
                  temp = Out[j];
                  Out[j] = Out[i];
                  Out[i] = temp;
              }

            }

          System.out.print(Out[i] + " ");
      }


  }
}
```

3.

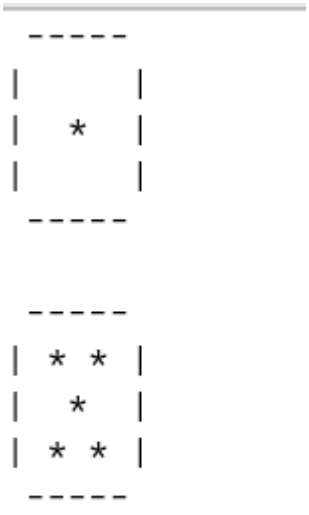
```java
public class Main {


    public static boolean isInt(String temp){
        try{
            int a = Integer.parseInt(temp);
            return true;
        }
        catch(Exception e){
            System.out.println("Napaka, nisi vnesel števila.");
            return false;
        }
    }


    public static void main(String[] dan) {
        String[] dnevi_teden = {"pon", "tor", "sre", "čet", "pet", "sob", "ned"};

        if(dan.length == 1){
            if(isInt(dan[0])){

                int temp_dan = Integer.valueOf(dan[0]);
                temp_dan = temp_dan-1 % 7;
                System.out.println(dnevi_teden[temp_dan]);

            }


        }


    }
}
```

```java
public class Main {


    public static boolean isInt(String temp){
        try{
            int a = Integer.valueOf(temp);
            return true;
        }
        catch(Exception e){
            System.out.println("Napaka, nisi vnesel števila.");
            return false;
        }
    }

    public static void main(String[] dan) {
        String[] dnevi_teden = {"pon", "tor", "sre", "čet", "pet", "sob", "ned"};

        if(dan.length == 1){
            if(isInt(dan[0])){

                int temp_dan = Integer.valueOf(dan[0]);
                temp_dan = temp_dan % 7;

                switch (temp_dan) {
                    case 1:
                        System.out.println(dnevi_teden[0]);
                        break;
                    case 2:
                        System.out.println(dnevi_teden[1]);
                        break;

                    case 3:
                        System.out.println(dnevi_teden[2]);
                        break;

                    case 4:
                        System.out.println(dnevi_teden[3]);
                        break;

                    case 5:
                        System.out.println(dnevi_teden[4]);
                        break;

                    case 6:
                        System.out.println(dnevi_teden[5]);
                        break;

                    case 0:
                        System.out.println(dnevi_teden[6]);
                        break;
}}}}
}
```

4.

```
public class Main {



public static void main(String[] arg){
        int izbrana = (int)(Math.random()*6+1);
            if (izbrana==6){
            System.out.println(" ----- ");
            System.out.println("| * * |");
            System.out.println("| * * |");
            System.out.println("| * * |");
            System.out.println(" ----- ");
            }
            else if (izbrana==5){
            System.out.println(" ----- ");
            System.out.println("| *   |");
            System.out.println("| * * |");
            System.out.println("| * * |");
            System.out.println(" ----- ");
            }

            else if (izbrana==4){
            System.out.println(" ----- ");
            System.out.println("|     |");
            System.out.println("| * * |");
            System.out.println("| * * |");
            System.out.println(" ----- ");
            }

            else if (izbrana==3){
            System.out.println(" ----- ");
            System.out.println("|     |");
            System.out.println("| *   |");
            System.out.println("| * * |");
            System.out.println(" ----- ");
            }

            else if (izbrana==2){
            System.out.println(" ----- ");
            System.out.println("|     |");
            System.out.println("|     |");
            System.out.println("| * * |");
            System.out.println(" ----- ");
            }

            else if (izbrana==1){
            System.out.println(" ----- ");
            System.out.println("|     |");
            System.out.println("|     |");
            System.out.println("| *   |");
            System.out.println(" ----- ");
            }


}

}
```

5.



```
public class Main {
    public static void met(){
        int izbrana = (int)(Math.random()*6+1);
            if (izbrana==6){
            System.out.println(" ----- ");
            System.out.println("| * * |");
            System.out.println("| * * |");
            System.out.println("| * * |");
            System.out.println(" ----- ");
            }
            else if (izbrana==5){
            System.out.println(" ----- ");
            System.out.println("| * * |");
            System.out.println("|  *  |");
            System.out.println("| * * |");
            System.out.println(" ----- ");
            }

            else if (izbrana==4){
            System.out.println(" ----- ");
            System.out.println("| * * |");
            System.out.println("|     |");
            System.out.println("| * * |");
            System.out.println(" ----- ");
            }

            else if (izbrana==3){
            System.out.println(" ----- ");
            System.out.println("| *   |");
            System.out.println("|  *  |");
            System.out.println("|   * |");
            System.out.println(" ----- ");
            }

            else if (izbrana==2){
            System.out.println(" ----- ");
            System.out.println("| *   |");
            System.out.println("|     |");
            System.out.println("|   * |");
            System.out.println(" ----- ");
            }

            else if (izbrana==1){
            System.out.println(" ----- ");
            System.out.println("|     |");
            System.out.println("|  *  |");
            System.out.println("|     |");
            System.out.println(" ----- ");
            }
            return;
    }
public static void main(String[] arg){
    met();
    System.out.println("");
    met();
}
}
```

6.

```java
import java.util.Random;

public class Main {
    public static void main(String[] args) {
        if (args.length == 6) {
            int point1x = Integer.parseInt(args[0]);
            int point1y = Integer.parseInt(args[1]);
            int point2x = Integer.parseInt(args[2]);
            int point2y = Integer.parseInt(args[3]);
            int point3x = Integer.parseInt(args[4]);
            int point3y = Integer.parseInt(args[5]);

            checkPoint(point1x, point1y, point2x, point2y, point3x, point3y);
        } else {
            Random rand = new Random();
            int point1x = rand.nextInt(101);
            int point1y = rand.nextInt(101);
            int point2x = rand.nextInt(101);
            int point2y = rand.nextInt(101);
            int point3x = rand.nextInt(101);
            int point3y = rand.nextInt(101);

            System.out.println("Naključno generirane točke:");
            System.out.println("Point 1: (" + point1x + "," + point1y + ")");
            System.out.println("Point 2: (" + point2x + "," + point2y + ")");
            System.out.println("Point 3: (" + point3x + "," + point3y + ")");

            checkPoint(point1x, point1y, point2x, point2y, point3x, point3y);
        }
    }

    public static void checkPoint(int x1, int y1, int x2, int y2, int x3, int y3) {
        int minX = Math.min(x1, x2);
        int maxX = Math.max(x1, x2);
        int minY = Math.min(y1, y2);
        int maxY = Math.max(y1, y2);

        if (x3 > minX && x3 < maxX && y3 > minY && y3 < maxY) {
            System.out.println("Točka (" + x3 + "," + y3 + ") je znotraj kvadrata.");
        } else if (x3 == minX || x3 == maxX || y3 == minY || y3 == maxY) {
            System.out.println("Točka (" + x3 + "," + y3 + ") je na robu kvadrata.");
        } else {
            System.out.println("Točka (" + x3 + "," + y3 + ") je izven kvadrata.");
        }
    }
}
```