



З дисципліни ООП  
Лабораторна робота 4

Виконав:

Підкостельний Роман

Прийняв:

Гасько Р.Р.

# КОД

на мові програмування JAVA

```
public class Sort {  
  
    private static void sort(int[] array,  
        Comparator comp) {  
  
        for (int gap = array.length / 2; gap > 0;  
            gap /= 2) {  
  
            for (int i = gap; i < array.length; i++)  
  
            {  
  
                int val = array[i];  
  
                int j;  
  
                for (j = i; j >= gap &&  
                    comp.compare(array[j - gap], val) < 0; j -= gap) {  
  
                    array[j] = array[j - gap];  
  
                }  
  
                array[j] = val;  
  
            }  
  
        }  
  
    }  
  
    public static void main(String[] args){  
  
        int[] array = {1,5,2,4,10,6,0,3,10};  
  
        Comparator comp = new Comparator();  
    }  
}
```

```
//Change your code here
```

```
sort(array, comp);
```

```
//Change your code here
```

```
for (int i = 0; i < array.length; i++) {
```

```
    System.out.print(array[i] + " ");
```

```
}
```

```
}
```

```
}
```

The screenshot shows a web browser window with a URL from edx.prometheus.org.ua. The main area contains a Java code editor with the following code:

```
    } else if (a < b) {
        return 0;
    } else {
        return -1;
    }
}

Comparator comp = new Comparator();
//Change your code here
sort(array, comp);
//Change your code here
for (int i = 0; i < array.length; i++) {
    System.out.print(array[i] + " ");
}
}
```

Below the code editor, the text "Правильно" (Correct) is displayed. Under the heading "Результати тесту" (Test Results), there are two entries, each with a "See full output" link. The first entry shows "ВІРНО" (Correct) in a green box. At the bottom of the interface, there are buttons labeled "ПЕРЕВІРКА" (Check), "ЗБЕРЕГТИ" (Save), and "ПОКАЗАТИ ВІДПОВІДЬ" (Show Answer). The Windows taskbar at the bottom shows the date as 28.03.2018 and the time as 13:54.