

EJERCICIO 1

case 1: //ok

```
System.out.print("Nmax Teams?: ");
Nmax = keyboard.nextInt();
arrayNmax = new int[Nmax];
arraynames = new String[Nmax];
arrayGoals = new int[Nmax];
arrayPoints = new int[Nmax];
arrayGoals2 = new int[Nmax];

for (int i = 0; i < Nmax; i++) {

    System.out.print("Team name?: ");
    arraynames[i] = keyboard.next();

    System.out.print("Points?: ");
    arrayPoints[i] = keyboard.nextInt();

    System.out.print("Goals?: ");
    arrayGoals[i] = keyboard.nextInt();

    System.out.print("Goals recived?: ");
    arrayGoals2[i] = keyboard.nextInt();
}
break;
```

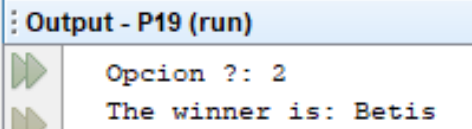
Output - P19 (run)

```
Opcion ? : 1
Nmax Teams?: 3
Team name?: Barça
Points?: 50
Goals?: 60
Goals recived?: 20
Team name?: Betis
Points?: 51
Goals?: 70
Goals recived?: 0
Team name?: Madrid
Points?: 20
Goals?: 3
Goals recived?: 80
```

EJERCICIO 2

```
case 2: //ok
    int maxValue = 0;

    for (int i = 1; i < arrayNmax.length; i++) {
        if (arrayPoints[i] > maxValue) {
            maxValue = arrayPoints[i];
            maxPosition = i;
        }
        System.out.println("The winner is: " + arraynames[maxPosition]);
    }
    break;
```



Output - P19 (run)

Opcion ?: 2

The winner is: Betis

EJERCICIO 3

case 3:

```
int pointChampion = 0;
```

```
int positionChampion2 = 0;
```

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

```
    if (pointChampion < arrayPoints[i] && i != positionChampion2) {
```

```
        pointChampion = arrayPoints[i];
```

```
        positionChampion2 = i;
```

```
    }
```

```
}
```

```
System.out.println("The second team is: " +
```

```
arraynames[positionChampion2]);
```

```
break;
```

Output - P19 (run)



Opcion ? : 3

The second team is: Betis

EJERCICIO 4`case 4: //ok`

```
    int lessGoals = 0;
    for (int i = 1; i < arrayNmax.length; i++) {
        if (arrayGoals2[i] > lessGoals) {
            lessGoals = arrayGoals2[i];
            lessGoals = i;
        }
    }
    System.out.println("The team that has received fewer goals is: " +
arraynames[lessGoals]);
    break;
```

Output - P19 (run)

Opcion ?: 4

The team that has received fewer goals is: Madrid

SERGI CASTILLO TIÑENA

Pràctica N°: 19 Array

EJERCICIO 5

case 5:


```
int moreGoals = 0;
for (int i = 1; i < arrayNmax.length; i++) {
    if (arrayGoals[i] < moreGoals) {
        moreGoals = arrayGoals[i];
        moreGoals = i;
    }
}
System.out.println("The team that has scored the most is: " +
arraynames[moreGoals]);
break;
```

: Output - P19 (run)



Opcion ? : 5

The team that has scored the most is: Barça

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SERGI CASTILLO TIÑENA		
Pràctica N°: 19	Array	

EJERCICIO 6

case 6: //ok

```

float medValue = arrayGoals[0];
for (int i = 1; i < arrayNmax.length; i++) {
    medValue += arrayGoals[i];
}
medValue = medValue / arrayNmax.length;

float medValue2 = arrayGoals2[0];
for (int i = 1; i < arrayNmax.length; i++) {
    medValue2 += arrayGoals2[i];
}
medValue2 = medValue2 / arrayNmax.length;

System.out.println("The average number of goals scored is: " +
medValue);
System.out.println("The average number of goals received is: " +
medValue2);
break;

```

Output - P19 (run)

```

Option ? : 6
The average number of goals scored is: 44.333332
The average number of goals received is: 33.333332

```


EJERCICIO 7

```
case 7:
    String TeamName;
    System.out.println("Tell me a team name");
    TeamName = keyboard.next();
    for (int i = 1; i < arrayNmax.length; i++) {
        if (TeamName == arraynames[i]) {
            TeamName = arraynames[i];
            int moreGoals2 = 0;
            for (int i1 = 1; i1 < arrayGoals2.length; i1++) {
                if (arrayGoals2[i1] > moreGoals2) {
                    lessGoals = arrayGoals2[i1];
                    lessGoals = i1;
                    System.out.println("Se va al pozo");
                } else {
                    System.out.println("Nope");
                }
            }
        }
    }
}
```

Output - P19 (run)



```
Opcion ?: 7
Tell me a team name:
Betis
Stay there
```

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	UF2	27/02/2020
SERGI CASTILLO TIÑENA		
Pràctica N°: 19	Array	

EJERCICIO 8

```

case 8: //ok
    for (int i = 0; i < Nmax; i++) {
        System.out.println("Team: " + arraynames[i] + " got " +
            arrayPoints[i] + " points, and socred " + arrayGoals[i] + " goals, but the others
            teams, sored to " + arraynames[i] + " " + arrayGoals2[i] + " goals.");
        }
    break;


```

Output - P19 (run)

```

Opcion ?: 8
Team: Barça got 50 points, and socred 60 goals, but the others teams, sored to Barça 20 goals.
Team: Betis got 51 points, and socred 70 goals, but the others teams, sored to Betis 0 goals.
Team: Madrid got 20 points, and socred 3 goals, but the others teams, sored to Madrid 80 goals.

```


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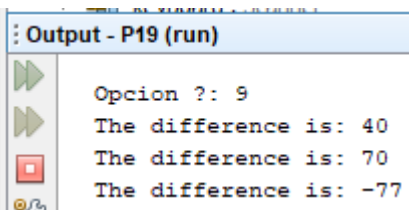
EJERCICIO 9


case 9:

```

for (int i = 0; i < arrayNmax.length; i++) {
    int sum = +arrayGoals[i];
    int subs = +arrayGoals2[i];
    int total = sum - subs;
    Math.abs(total);
    System.out.println("The difference is: " + total);
}

```



	M3 - Programació Bàsica	
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SERGI CASTILLO TIÑENA		
Pràctica N°: 19	Array	

EJERCICIO 10

```

case 10: //ok
    System.out.println("Quieres salir? Y/N");
    String res = keyboard.next();
    if (res.equals("Y")) {
        System.out.println("Asta la procsimaa");
    } else {
        option = 90;
        System.out.println("Continue: ");
    }
    break;

```

```

Opcion ?: 10
Quieres salir? Y/N
Y
Asta la procsimaa
BUILD SUCCESSFUL (total time: 6 minutes 5 seconds)

```