

Section/Group :

[illegible]



**3) Swap between each two adjacent elements of **A** (if the size of **A** is odd, the last element doesn't change)**

**Example :** A 

|   |   |   |   |    |   |   |
|---|---|---|---|----|---|---|
| 7 | 6 | 1 | 0 | -1 | 8 | 3 |
|---|---|---|---|----|---|---|

 A 

|   |   |   |   |   |    |   |
|---|---|---|---|---|----|---|
| 6 | 7 | 0 | 1 | 8 | -1 | 3 |
|---|---|---|---|---|----|---|

**4) Construct another array **B** that contains the even elements of **A**.**

**Example :** A 

|   |   |   |   |   |    |   |
|---|---|---|---|---|----|---|
| 6 | 7 | 0 | 1 | 8 | -1 | 3 |
|---|---|---|---|---|----|---|

 B 

|   |   |   |
|---|---|---|
| 6 | 0 | 8 |
|---|---|---|

5) Display the elements of **B** in the following format :

**B[1]=6   B[2]=0   B[3]=8**

**Solution :**

```
#include <stdio.h>
```

```
int main() {
```

**Bonus : (1pt)**

Let **n**, **p** two integers (**n**>0 and **p**>0).

The following program allows to calculate and display the sum **S** of the **n** first integers starting from **p**. **Without using loops**, write an action that calculates the value of **S**.

**Example** : if **p=3**, **n=5**

**S**= 3+4+5+6+7=25

(5 numbers)

**Solution** :

```
#include <stdio.h>
```

```
int main() {
```

```
int n, p, S;
```

```
do {
```

```
    printf("Enter two integers n, p, with : n>0 and p>0 :");
```

```
    scanf("%d%d", &n, &p);
```

```
} while (! (p>0 && n>0));
```

**S**=.....

```
printf("Sum=%d", S);
```

```
return 0; }
```