Group: T Surname: Date:	Name: Email:				
SpaceGame					
Environment), a C language	rator for the framework GAME framework for creating geometrical grom an ASCII keyboard; output goe	games using ncurses text screens			
<ul> <li>'7', '9', '1', '3': move</li> <li>'s': stop</li> <li>'q': quit</li> <li>It is possible to run SpaceGa</li> </ul>	e North-West, North-East, South, North-East, South-West, North-East, South, North-East, South-West, North-East, Nort	est, South-East			
prints the sequence of coordi	nate changes associated with the input				
• Download the code fr	<u>-</u>				
o http://secu	city.polito.it/~basile/hund the archive for your OS and IDE.	man-experiment/T/			
• <u>Compile</u> SpaceGame build the program.	extract the downloaded archive, ope	en the project with your IDE and			
	run the program space-server launch the executable created in the				
	dame, playing SpaceGame for a few ed by users (do NOT look at the sou				

Modify the source code of SpaceGame so that the effect of every movement is doubled: whenever the user presses a movement key, the position on the screen shall change by two space units instead of one. For instance, in the original implementation whenever the user presses key 'j', the row where the player is displayed is incremented by one. With the tampered code, it should be incremented by two. If executed in batch mode, SpaceGame should print coordinate changes where coordinates differ by two space units instead of one.

End Time \_\_\_\_\_

STEP3: Please, read the following description of the hacking exercise

Start time (without setup time)

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## **C Skills Test**

Answers					
1	2	3			

- 1) Will the expression \*p = p be disallowed by the compiler?
  - A. Yes
  - B. No
- 2) Which of the following statement is correct about the program?

- A. The code counts number of characters in the file
- B. The code counts number of words in the file
- C. The code counts number of blank lines in the file
- D. The code counts number of lines in the file

## 3)What will be the output of the program?

```
#include<stdio.h>
int fun(int i) {
    i++;
    return i;
}
int main()
{
    int fun(int);
    int i=3;
    fun(i=fun(fun(i)));
    printf("%d\n", i);
    return 0;
}
 A. 5
 B. 4
```

- C. Error
- D. Garbage value