Group: Ts Surname: Date:	Name: Email:			
SpaceGame				
Environment), a C language framework for	framework GAME (Geometrical Ascii Multigame creating geometrical games using <i>ncurses</i> text screens. keyboard; output goes to an ASCII terminal. The most			
<ul> <li>'h', 'j', 'k', 'l' (alt: '4', '2', '8', '6'):</li> <li>'7', '9', '1', '3': move North-West, 's': stop</li> <li>'q': quit</li> </ul>				
It is possible to run SpaceGame in batch m	node by passing in a command line string that contains e jjll). When executed in batch mode, SpaceGame ssociated with the input keys.			
STEP2: Compile, execute and practice				
<ul> <li><u>Download</u> the code from:</li> <li>http://security.politowhere you can find the archive from:</li> </ul>	o.it/~basile/human-experiment/Ts/for your OS and IDE.			
• <u>Compile</u> SpaceGame: extract the do build the program.	wnloaded archive, open the project with your IDE and			
	am space-server and leave it running in ecutable created in the previous step.			
	SpaceGame for a few minutes, to get an understanding NOT look at the source code in this phase!)			

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