

Applications Programming Spoofy

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

Spoofing

Assignment Project Exam Help

A “spoof” is a fake solution to a problem that passes test cases.

<https://powcoder.com>

E.g.1

Add WeChat powcoder

Specification: The rainfall for 4 consecutive months is 101mm, 107mm, 87mm, 120mm. Show the total rainfall for the period.

Valid solution

Assignment Project Exam Help

```
double[] rainfall = { 101, 107, 87, 120 };  
double sum = 0.0;  
for (int i = 0; i < rainfall.length; i++) {  
    sum += rainfall[i];  
}  
System.out.println("Total rainfall = " + sum);
```

<https://powcoder.com>

Add WeChat powcoder

Spoof solution

Assignment Project Exam Help

```
System.out.println("Total rainfall = 103.75");
```

<https://powcoder.com>

:)

Add WeChat powcoder

Spoof

Assignment Project Exam Help

A “spoof” also refers to over using booleans to solve the problem.

<https://powcoder.com>

E.g.2 Overusing boolean

Add WeChat powcoder

Specification: Enroll a student to a class, output “No such activity” if the class name is not correct; output “No available seats” if the class is full.

Valid solution

Assignment Project Exam Help

```
void enroll(String group, Student s) {  
    if (activities.size() == 0)  
        System.out.println("No such activity");  
    else {  
        .....  
        System.out.println("No available seats");  
    }  
}
```

<https://powcoder.com>

Add WeChat powcoder

Spoof solution

Assignment Project Exam Help

```
void enroll(String group, Student s) {
```

```
    boolean success = false;
```

```
    boolean exist = false;
```

```
    .....
```

```
    .....
```

```
    if (! exist) System.out.println("No such activity");
```

```
        else if (! success) System.out.println("No available seats");
```

```
}
```

<https://powcoder.com>

Add WeChat powcoder

Spoof

Assignment Project Exam Help

A “spoof” case of expanding or merging the codes violating design principles will be considered cheating. This type of spoofing will be marked as “0” and reported as misconduct.

<https://powcoder.com>

Add WeChat powcoder

E.g. 3 Violating design principle

Spoof solution

Assignment Project Exam Help

```
public static void main(String args[]){  
    char choice;  
    while( choice!='x' ){  
        if(uni.loggedin==null){
```

```
            switch(choice){  
                default:  
                    uni.help();  
                    break;
```

```
            case 'a':  
                int number = promptNumber();  
                if(uni.studentids.containsKey(number)){  
                    out.println("Student number already exists");  
                    break;  
                }  
                break;
```

```
        .....  
    }
```

<https://powcoder.com>

Add WeChat powcoder

Penalty for Spoofing

Assignment Project Exam Help

- Lab penalty
A spoof on any assessed lab gets you a mark of 0.
- Assignment penalty
A spoof on a task worth marks gets you 2 marks.
- Special software
is used to find a spoof, and to find Academic Misconduct.

<https://powcoder.com>

Add WeChat powcoder