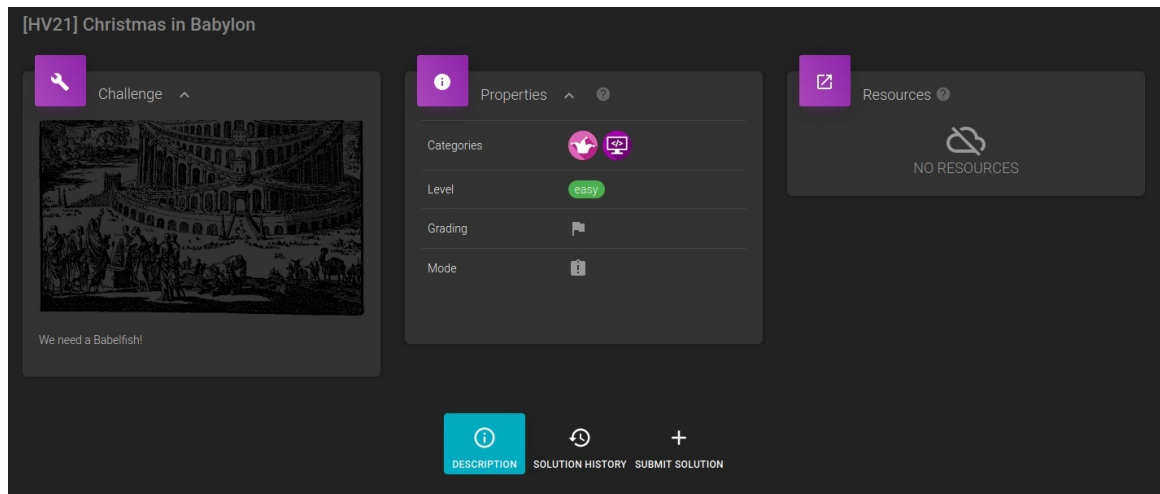


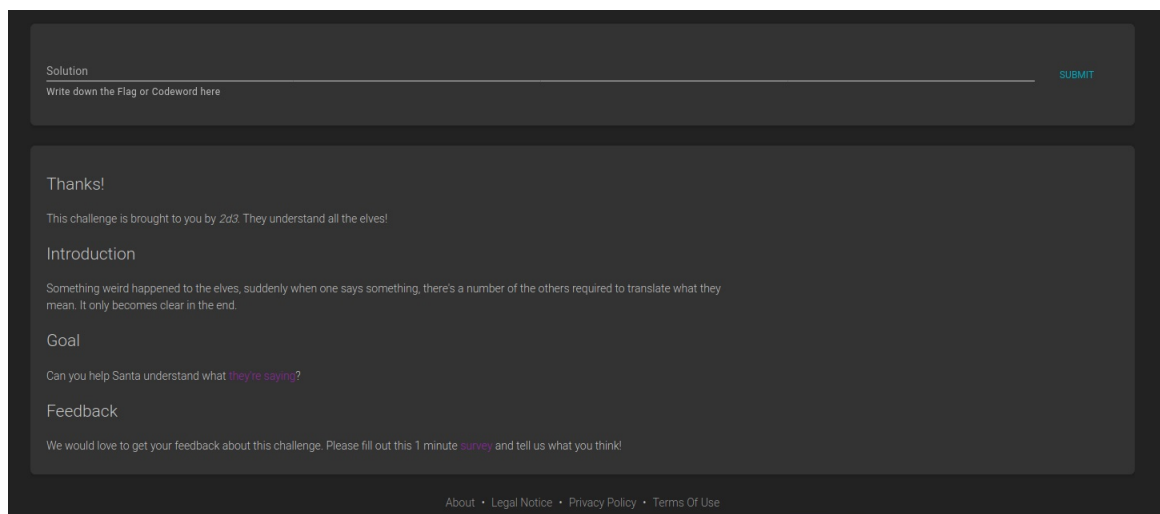
HACKvent 2021

Day 04

1. Open a **Web browser**
2. Navigate to **<https://competition.hacking-lab.com/events/13/challenges/209>**



3. Scroll **Down** the window



4. Right click on the **they're saying** link
5. Select **Save Link As...** from the drop-down list, to download the **03960b75-2139-47ca-9b99-0cf6b4ec6c60.zip** file.
6. Open a **Terminal window**
7. Type **`unzip 03960b75-2139-47ca-9b99-0cf6b4ec6c60.zip`**

```
Archive: 03960b75-2139-47ca-9b99-0cf6b4ec6c60.zip
  inflating: code.txt
```

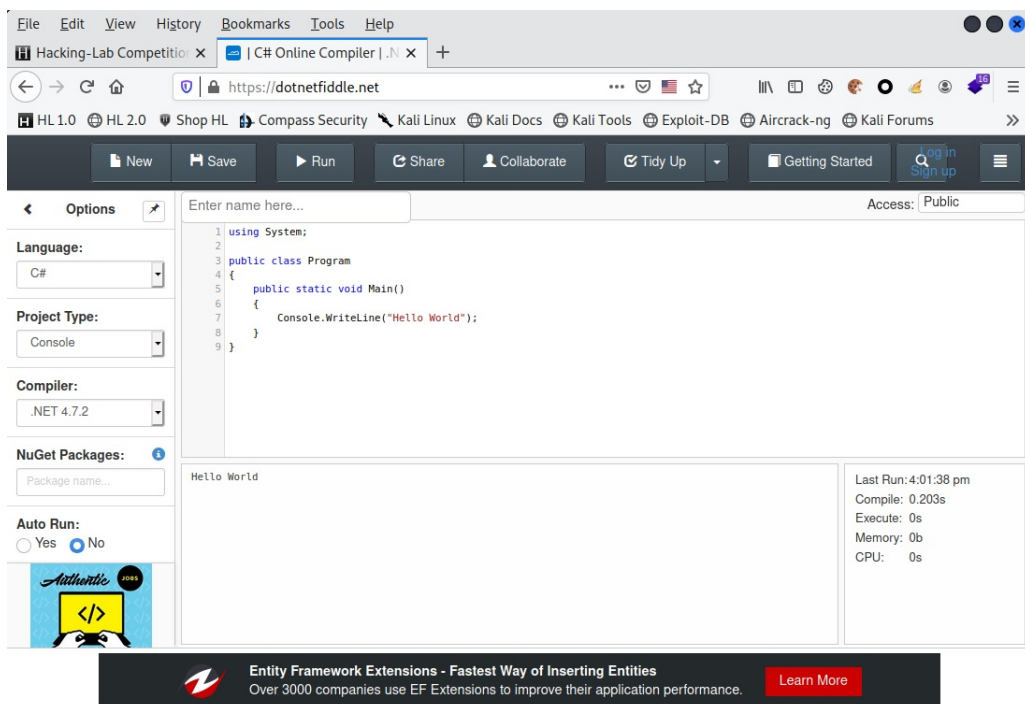
8. Type `mousepad code.txt`

```
using System;using System.Text;using static System.Console;void Rev(string s){var chars=Encoding.ASCII.GetString(Convert.FromBase64String(s)).ToCharArray();Array.Reverse(chars);WriteLine(new string (chars));}
Rev("KzgrKitoKysrKysreysrKysraSsvPiswK3krKz4oKysrKysrICsrPlQrKysrKysrKyt9KysrPlsrVCsrK3grKysr");
Rev("K2srICsrKysyKyt9KysrKysrPisrKytVKysrKysrKysrPisrNSsrKysrK3wrKysrNT4rKysrRCs2KytyKysqKz4r");
Rev("K0MrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysr");
Rev("KysqKyArKysrK2c+KysrKysrKyt4KysrKyt1Kz4rKytTKytEK0UrKytPkyrdj5XKytNkysrKysrcisjKytCPkcr");
Rev("Kz4rKysrcCspK1E+KysrRisrKysrbCsrPitKKytpKysrKys+KysrK1QrKytXKysrPisrKysrKz5nKyorkyArUCsr");
Rev("KysrK3U+KysrKysrICsrK2orKysrPjErK3MrKysrKCsK1UrMSsrKy8+UisrKysgKysrKytBKysrKytXKz4rK3Yr");
Rev("KysrKysrKysrKzg+K1orKysrKz5MKyttK1IrSCsrICsrKz4rQisrKysrKz4rICsgKysrKysrK2QrKysrICsrPjIr");
Rev("disrICsmPjkrICsrKysrKysrUisrKyt4Kz4rKygrKys+KysrKysrKz4rK2UrK1UreysrKys+KysrNSsrKz4gK1kr");
Rev("K2grKytUkyArKysrdz4rIysrK3MrSyt0KytsKys+K30rKysrRSsrCsrKys+Kysrdys+KysrbisraitqKys+Kysr");
Rev("KysrK1ErK1k+Kysr0CsrICsrVisjK3UrKythKz5GKytXKysrQsSrZCsrRT56KysrKysrKytCKysrKz4rfStMKytX");
Rev("KysrYsSrKz5BKysrKysrKysrPisrKysrICt0K3YrKz4rKysrZisrKysrKz4rKysrKysrNCsrKysrKysrPisr");
Rev("KysrK3crKysyKysrKz4rTisrKys+KysrKytHKysrKysrK1krICs+KysrKysrRStPKytwKysrKysrPlErKCsKysr");
Rev("KysrWcSrKz4rKysrKysrKysrSisrKz4reCsrKz4rKysrKysrK1ArKys+KysrKysrICtKKzMrKzkrKyYrKys+Kysq");
Rev("UithKysrKysrKysrKz4rKysrQCsKzE+KysrKyt2KysrMCsrPisrKytLKysrTis+OCsrKysrKz4rKysrKysrPisr");
Rev("KytXKyYrVytZK2crKysrKysrOT5LKysrKysrK1YrKys+KytVK1grPisrKys+MSsrKytjKyArICsrKysrPjArKysr");
Rev("KysrKytSPisrQCsKysgKytPzArK3w+TCsrKysrPjArNSsrQisrZSsrKys+KysgKysrQysrKytAPisrUysrKz4r");
Rev("KisrKzMrPisrK2ErKysrbisrKysrKysrPk4rK24rdCsgKytRkz4r0SsrKys+K3crKysrKysrKys4Kz4rK2orKysr");
Rev("ICs+eCsrKzYrK3crKz4rRitpK0ErKytCPitMKysrMCs+KytzKysrUisrPisrKysraSsoKysrYs+KysrcCtAKysr");
Rev("VSsrKysgKys+KysrSCsrKysrWisrKys+K1orKysrZSsrKysrKytVKz4rKysrKysrKysrLysjKz4rKysrKysrKysr");
Rev("PDw8PDw8PDxLPDxpPDw8PCs+KvsrKz4rK0ErKvsravsrKvsrKvsrPisrKvsrKvtJKz4rKvsrKvArbCsrICsmPiAr");
```

C# code

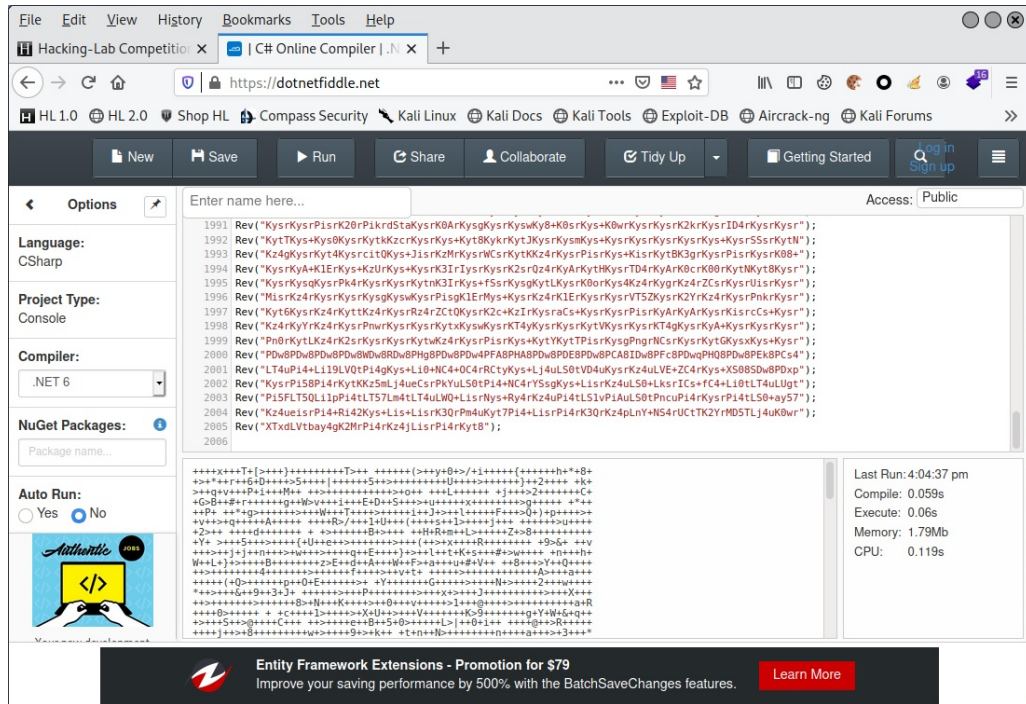
9. Press **CTRL + A** and then **CTRL + C** to copy the contents of the Mousepad window to the clipboard

10. Close Mousepad

11. Click to open a **Second** browser tab12. Navigate to <https://dotnetfiddle.net/>13. Click the Compiler drop-down menu and then select **.NET 6**

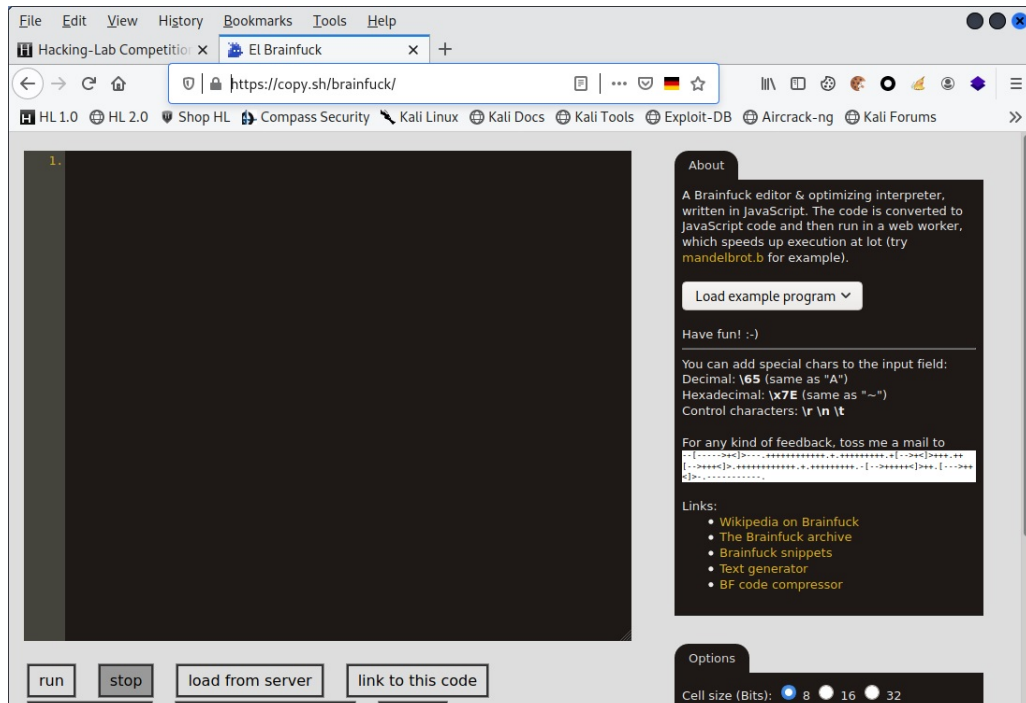
14. Delete the current C# code

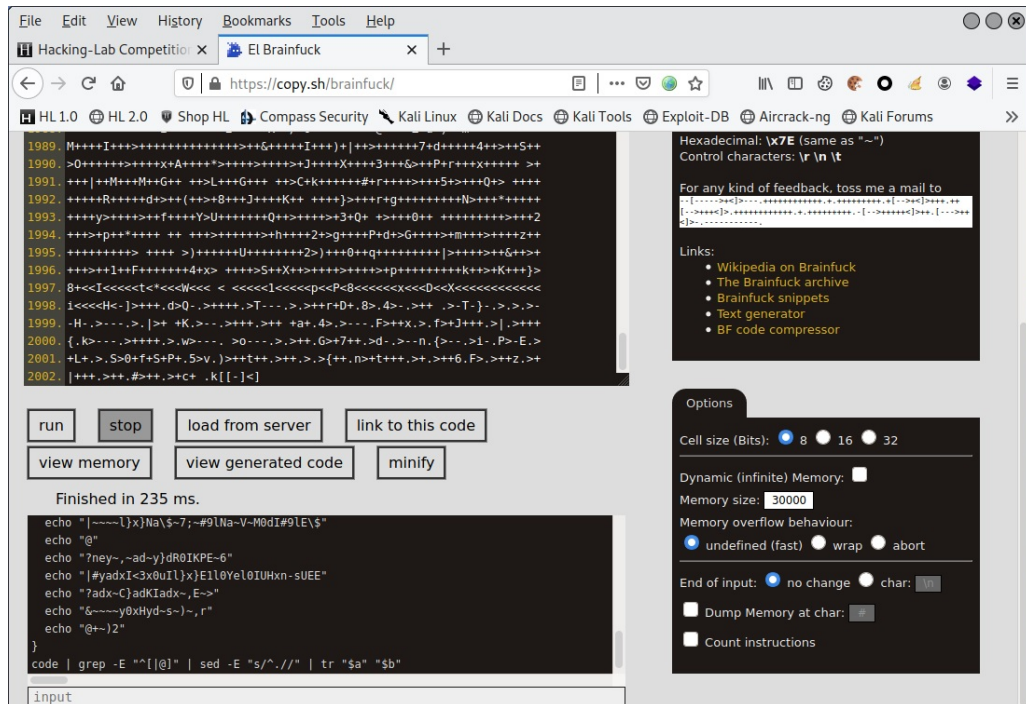
15. Press **CTRL + V** to paste the contents of the clipboard

16. Click the **Run** button

17. Copy the contents of the bottom window to the clipboard

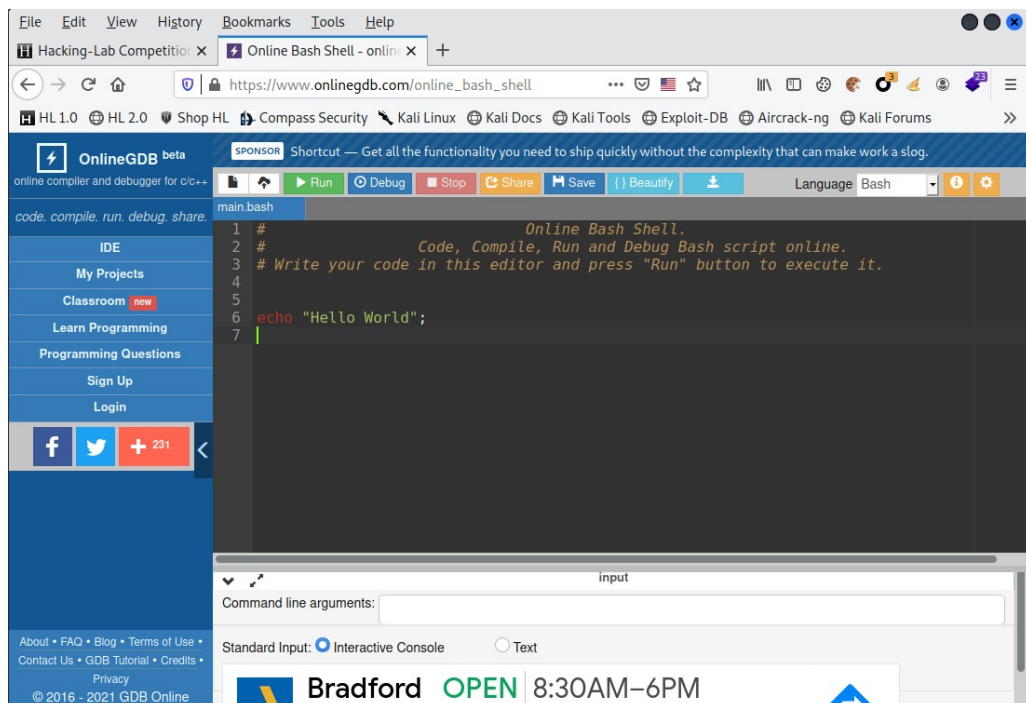
Brainfuck code

18. Navigate to <https://copy.sh/brainfuck/>19. Press **CTRL + V** to paste the contents of the clipboard20. Click the **Run** button

19. Scroll **Down** the window

20. Copy the contents of the bottom window to the clipboard

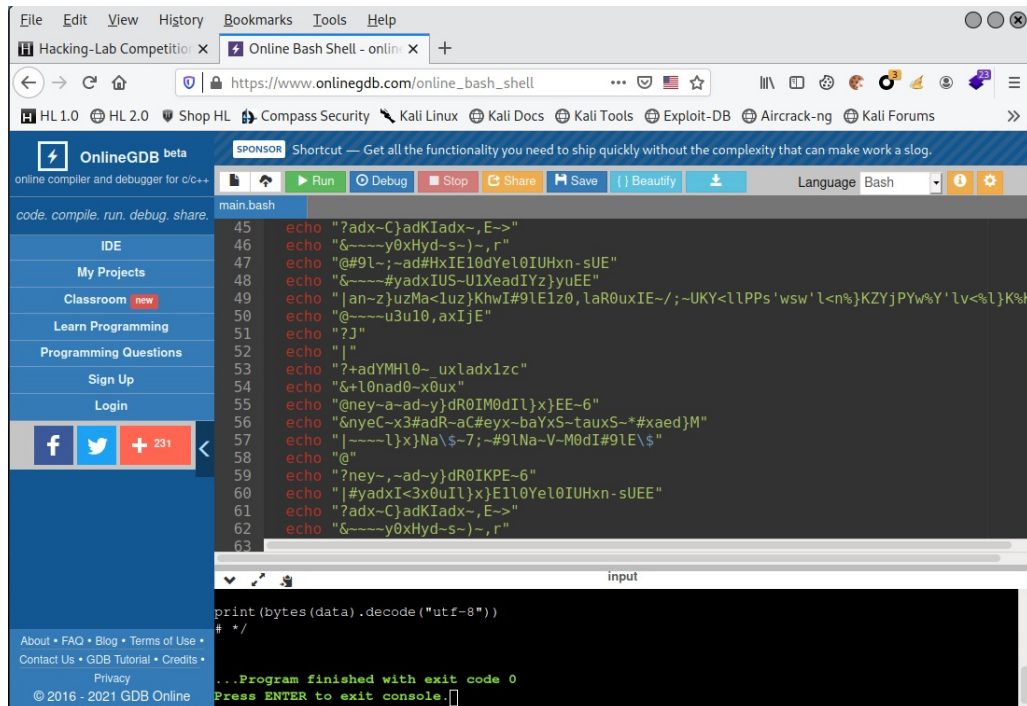
Bash shell code

21. Navigate to https://www.onlinegdb.com/online_bash_shell

22. Delete the current Bash shell code

23. Press **CTRL + V** to paste the contents of the clipboard

24. Click the **Run** button



25. Copy the contents of the bottom window to the clipboard

C and Python code

26. Type **mousepad decode-3.c**

27. Press **CTRL + V** to paste the contents of the clipboard

28. Press **CTRL + S** to save the file.

29. Close **Mousepad**

30. Type **cc decode-3.c**

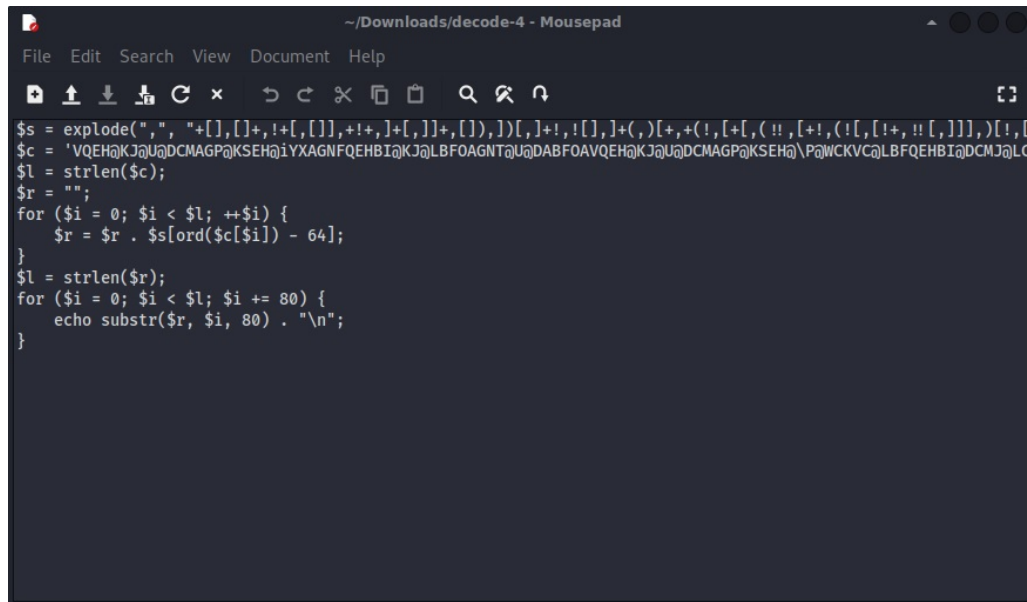
31. Type **./a.out**

C+Python=Cython?

32. Type **cp decode-3.c decode-3.py**

33. Type **python decode-3.py > decode-4**

34. Type **C+Python=Cython?** and then press the **Enter** key

35. Type **mousepad decode-4**


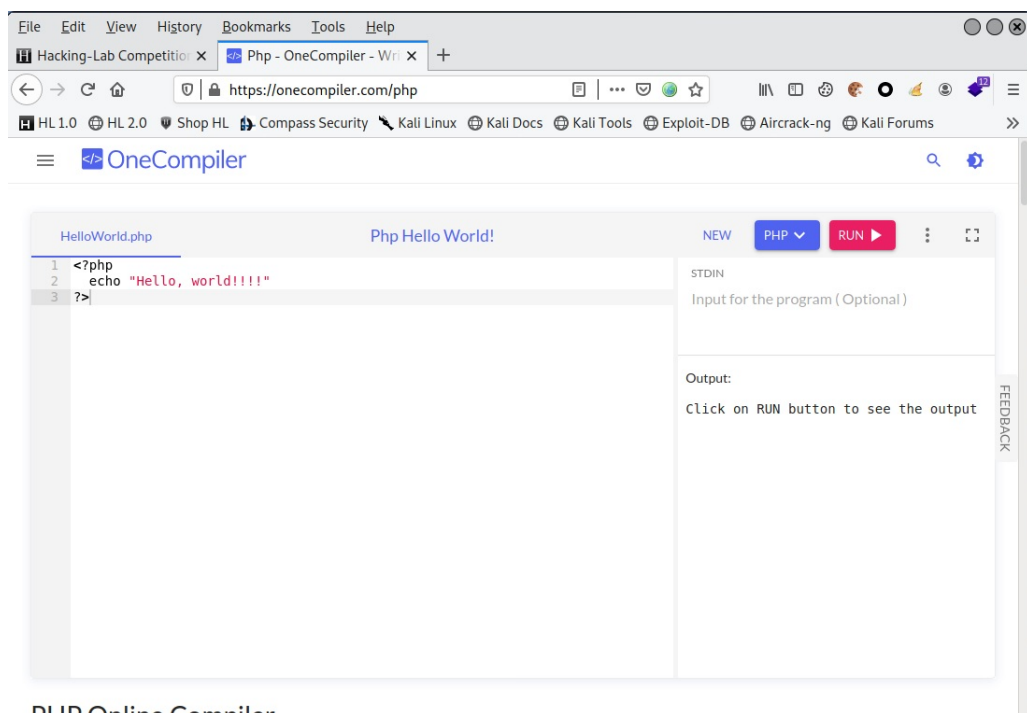
```
~/Downloads/decode-4 - Mousepad
File Edit Search View Document Help
$S = explode(" ", "+[[],[],!+[[],!+,],+!,],+[],),)[,]+!,![],)+(,)++,(!,[+,(!,[!+,!![,]),)[!,[
$c = 'VQEHqKJqUqDCMAGPqKSEHqIYXAGNFQEHBIqKJqLBFOAGNTqUqDABFOAVQEHqKJqUqDCMAGPqKSEHq\pQWCKVCqLBQFQEHBIqDCMJqL
$l = strlen($c);
$r = "";
for ($i = 0; $i < $l; ++$i) {
    $r = $r . $s[ord($c[$i]) - 64];
}
$l = strlen($r);
for ($i = 0; $i < $l; $i += 80) {
    echo substr($r, $i, 80) . "\n";
}
```

PHP code

36. Press **CTRL + A** and then **CTRL + C** to copy the contents of the Mousepad window to the clipboard

37. Close **Mousepad**

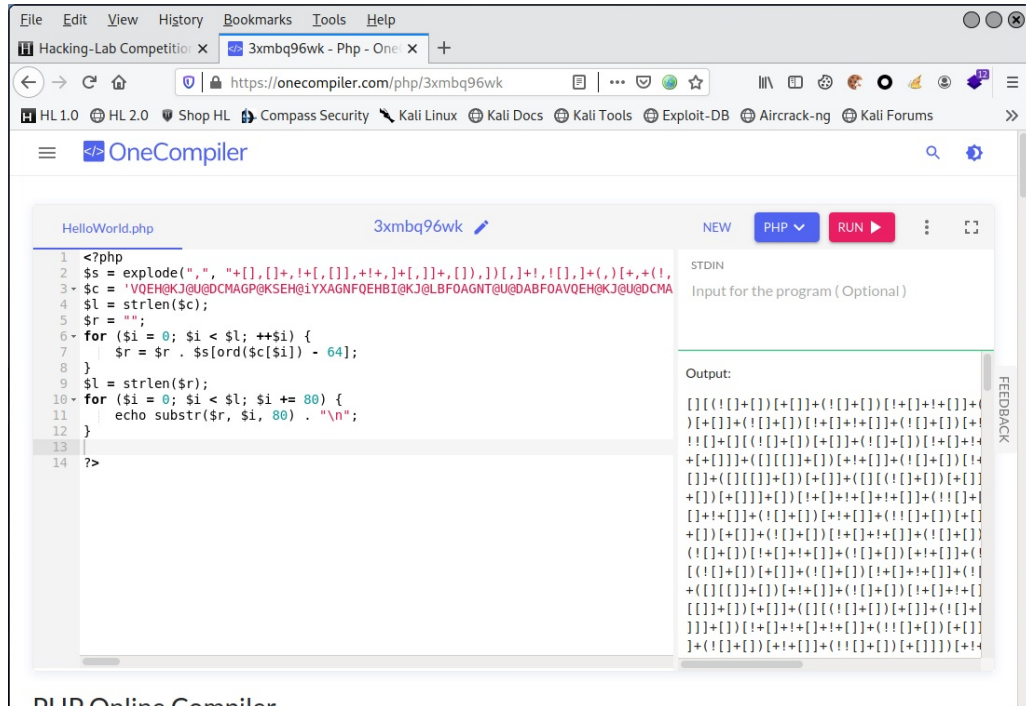
38. Navigate to <https://onecompiler.com/php>



39. Select line 2

40. Press **CTRL + V** to paste the contents of the clipboard

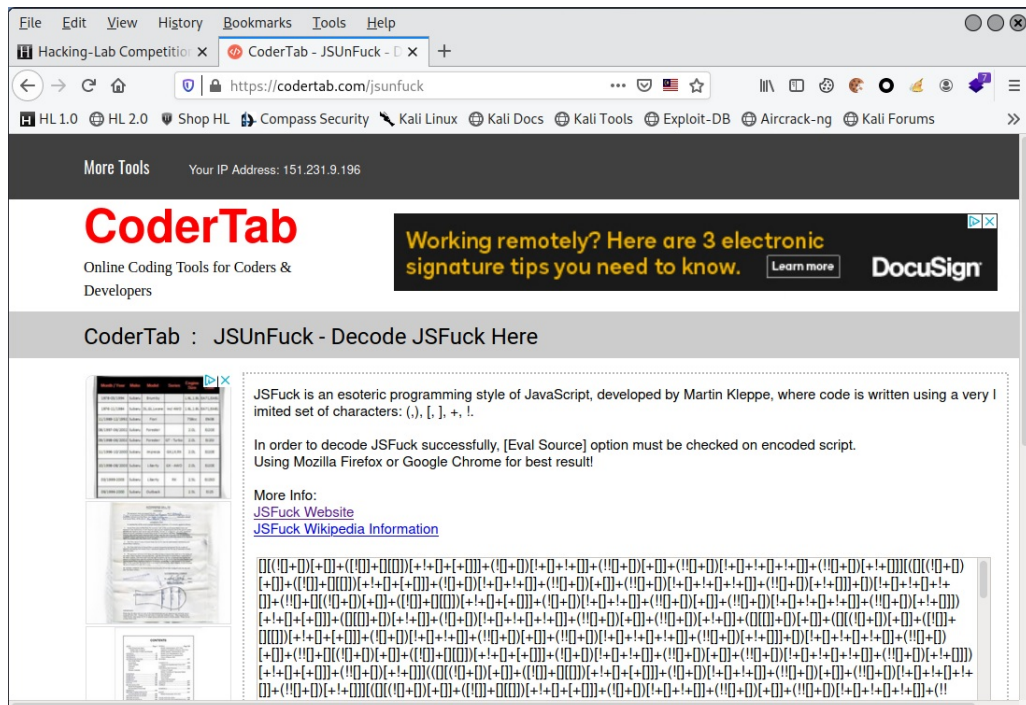
41. Click the **Run** button



JSFuck code

42. Copy the contents of the Output window to the clipboard

43. Navigate to <https://codertab.com/jsunfuck>

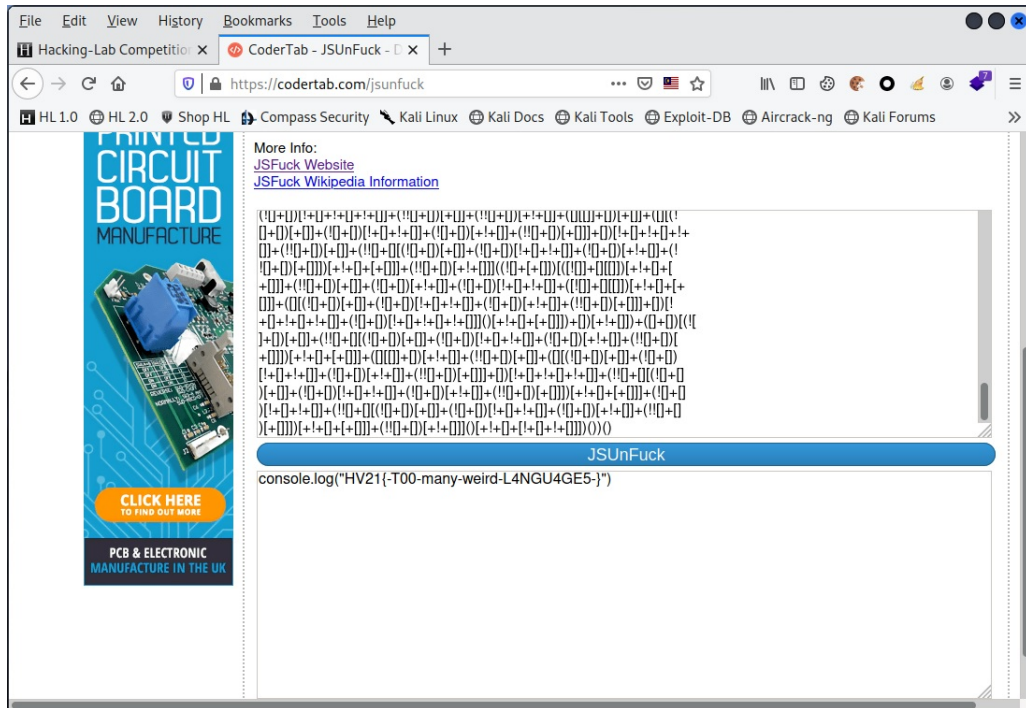


44. Delete the current JSFuck code

45. Press **CTRL + V** to paste the contents of the clipboard

46. Scroll **Down** the window

47. Click the JSUnFuck button



Flag: HV21{-T00-many-weird-L4NGU4GE5-}