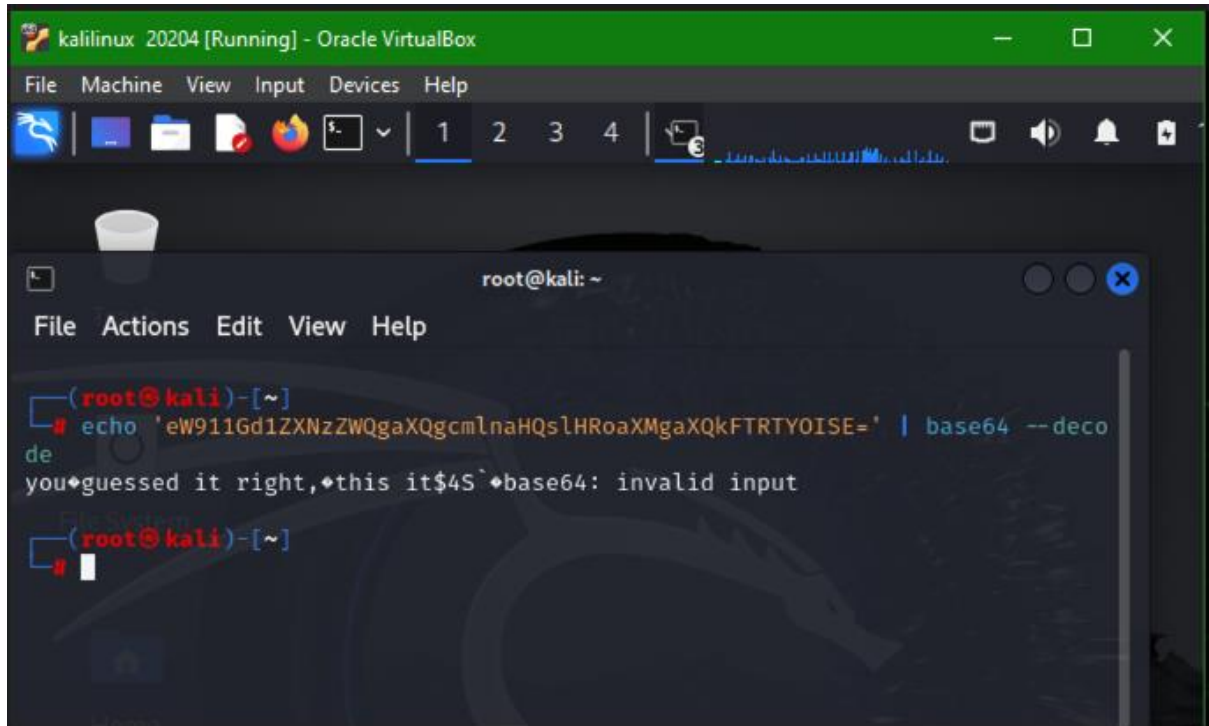


1. Hands-on Tasks Questions

(1). FINDING THE FOLLOWING HIDDEN TEXT BY DOING EITHER ENCRYPTION OR DECRYPTION

eW91lGd1ZXNzZWQgaXQgcmlnaHQslHRoaXMgaXMgQkFTRTY0ISE=

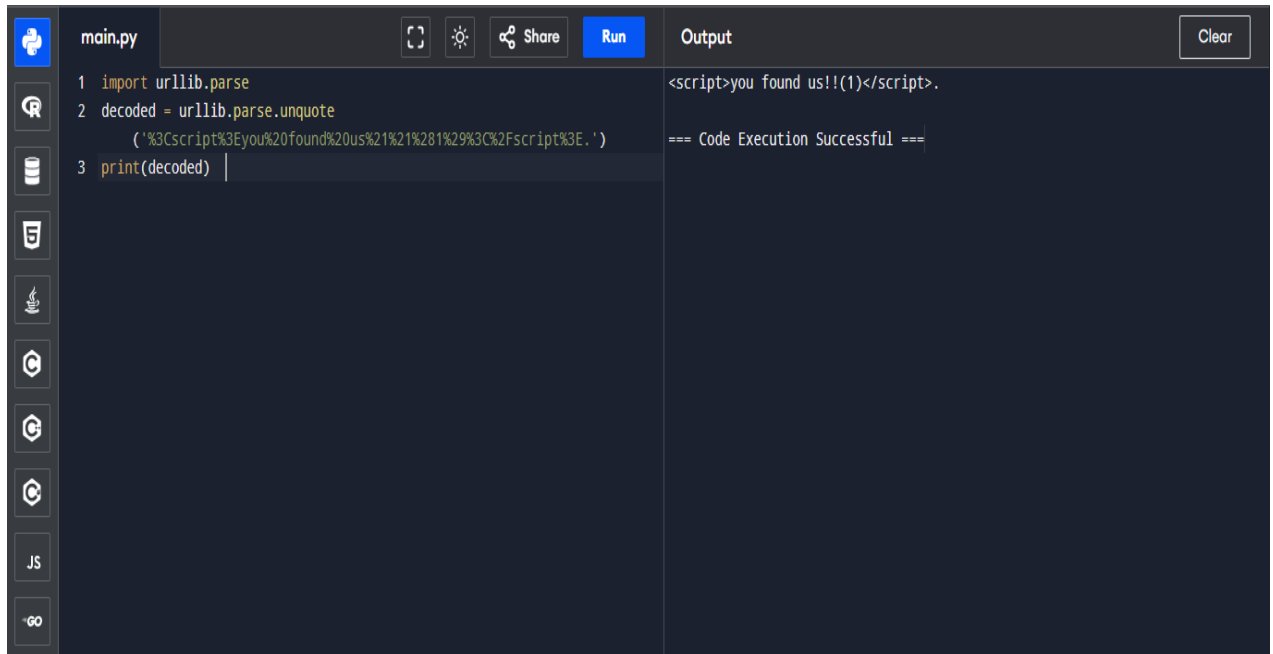


```
kalilinux 20204 [Running] - Oracle VirtualBox
File Machine View Input Devices Help
1 2 3 4
root@kali: ~
File Actions Edit View Help
(root@kali)-[~]
# echo 'eW91lGd1ZXNzZWQgaXQgcmlnaHQslHRoaXMgaXMgQkFTRTY0ISE=' | base64 --deco
de
you guessed it right, this is $4S`base64: invalid input
(root@kali)-[~]
#
```

You guessed it right, this is BASE64!

(2). FINDING THE FOLLOWING HIDDEN TEXT BY DOING EITHER ENCRYPTION OR DECRYPTION

%3Cscript%3Eyou%20found%20us%21%21%281%29%3C%2Fscript%3E.



```
main.py  [ ] [ ] [ ] Share Run Output Clear
1 import urllib.parse
2 decoded = urllib.parse.unquote
  ('%3Cscript%3Eyou%20found%20us%21%21%281%29%3C%2Fscript%3E.')
3 print(decoded)
```

<script>you found us!!(1)</script>.

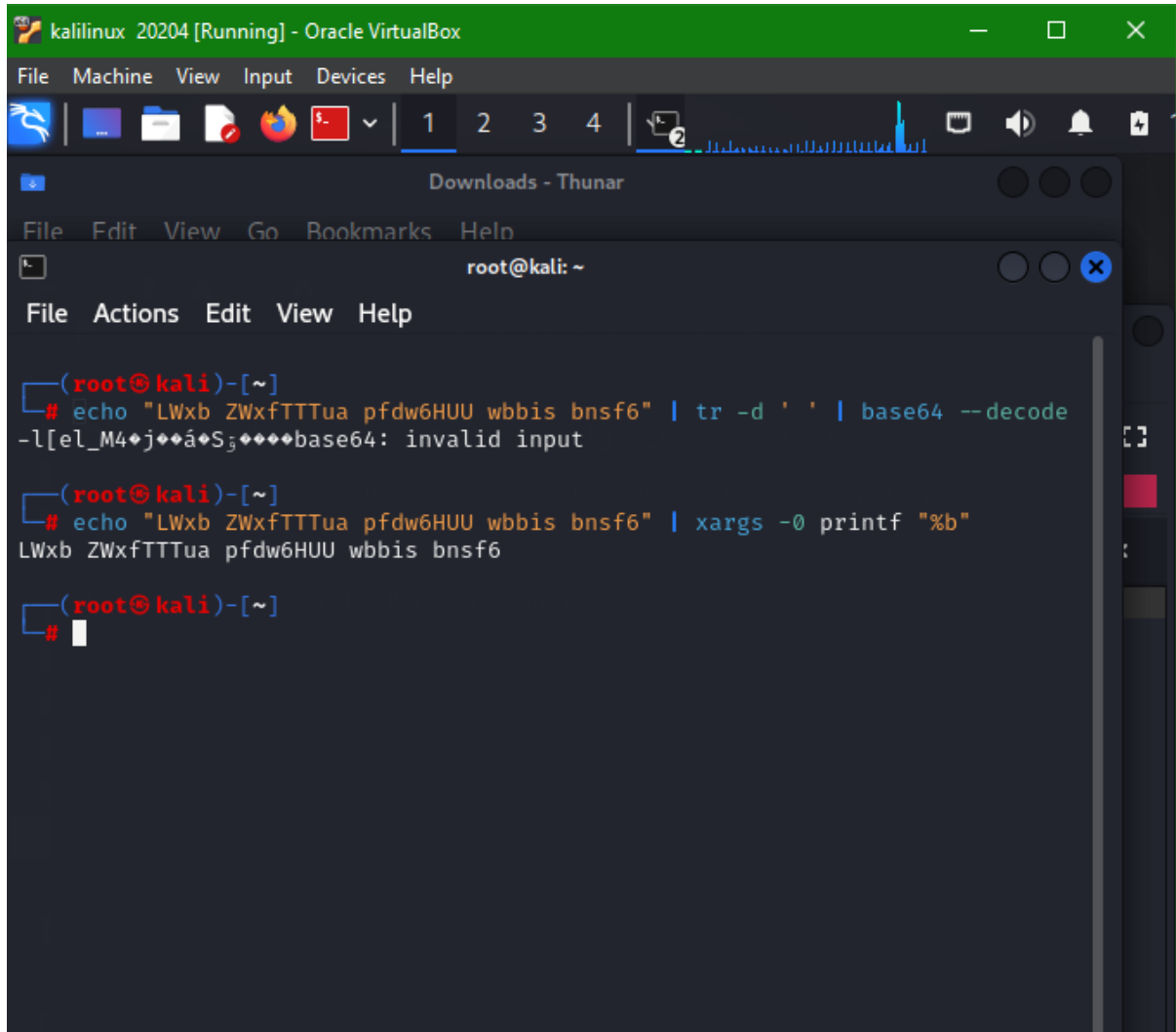
=== Code Execution Successful ===

How I found out about urllib.parse to use in the above code:

<https://docs.python.org/3/library/urllib.parse.html>

(3). FINDING THE FOLLOWING HIDDEN TEXT BY DOING EITHER ENCRYPTION OR DECRYPTION

LWxb ZWxfTTTua pfdw6HUU wbbis bnsf6



The screenshot shows a Kali Linux terminal window titled 'kalilinux 20204 [Running] - Oracle VirtualBox'. The terminal is running a series of commands to attempt to decode the string 'LWxb ZWxfTTTua pfdw6HUU wbbis bnsf6'. The first command uses 'tr -d ' ' | base64 --decode', which results in an error: '-l[el_M4♦j♦♦â♦S♦♦♦♦base64: invalid input'. The second command uses 'xargs -0 printf "%b"', which successfully outputs the original string: 'LWxb ZWxfTTTua pfdw6HUU wbbis bnsf6'. The third command shows the prompt '# ' with a cursor, indicating the user is ready to enter another command.

```
(root@kali)-[~]
# echo "LWxb ZWxfTTTua pfdw6HUU wbbis bnsf6" | tr -d ' ' | base64 --decode
-l[el_M4♦j♦♦â♦S♦♦♦♦base64: invalid input

(root@kali)-[~]
# echo "LWxb ZWxfTTTua pfdw6HUU wbbis bnsf6" | xargs -0 printf "%b"
LWxb ZWxfTTTua pfdw6HUU wbbis bnsf6

(root@kali)-[~]
#
```

This text cannot be encrypted or decrypted.