Level 0:

1. Changed Network setting of the VM to Bridged adapter
2. Used ssh manual to know the syntax of the command if URI of the form ssh://bandit0@bandit.labs.overthewire.org:2220
3. And entered **ssh ssh://bandit0@bandit.labs.overthewire.org:2220**
4. Password : **bandit0**

Level 1:

1. By using **pwd**, I got know about the current directory
2. Used **ls** to see contained directories and files.
3. **cat readme**, to see content of file
4. Here we get the password
5. Logout from bandit0
6. **ssh ssh://bandit1@bandit.labs.overthewire.org:2220** to login in bandit1
7. password : boJ9jbbUNNfktd78OOpsqOltutMc3MY1 (which we got in the readme)

Level 2:

1. By using **pwd**, I got know about the current directory
2. Used **ls** to see contained directories and files.
3. By googling, how to read dash files, I got **cat ./-<filename>**
4. **cat ./-**, to see content of file
5. Here we get the password
6. Logout from bandit1
7. **ssh ssh://bandit2@bandit.labs.overthewire.org:2220** to login in bandit2
8. password : CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9 (which we got in the -)

Level 3:

1. By using **pwd**, I got know about the current directory
2. Used **ls** to see contained directories and files.
3. **cat “spaces in this filename”**, to see content of file
4. Here we get the password
5. Logout from bandit2
6. **ssh ssh://bandit3@bandit.labs.overthewire.org:2220** to login in bandit3
7. password : UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK (which we got in the spaces in this filename)

Level 4:

1. By using **pwd**, I got know about the current directory
2. Used **ls** to see contained directories and files.
3. **cd inhere** to change directory
4. **find -type f -exec sh -c 'file -b {} | grep text &>/dev/null' \; -print** to see human readable file only and we got ./.hidden named file
5. **cat ./.hidden**, to see content of file
6. Here we get the password
7. Logout from bandit3
8. **ssh ssh://bandit4@bandit.labs.overthewire.org:2220** to login in bandit4
9. password : pIwrPrtPN36QITSp3EQaw936yaFoFgAB (which we got in the./.hidden)

Level 5:

1. By using **pwd**, I got know about the current directory
2. Used **ls** to see contained directories and files.
3. **cd inhere** to change directory
4. **find -type f -exec sh -c 'file -b {} | grep text &>/dev/null' \; -print** to see human readable file only and we got many files
5. **cat ./-file0<n>**, to see content of file
6. And we found only ./-file07 contains ASCII text
7. Here we get the password
8. Logout from bandit4
9. **ssh ssh://bandit5@bandit.labs.overthewire.org:2220** to login in bandit5
10. password : koReBOKuIDDepwhWk7jZC0RTdopnAYKh (which we got in the ./-file07)

Level 6:

1. By using **pwd**, I got know about the current directory
2. Used **ls** to see contained directories and files.
3. **cd inhere** to change directory
4. **find -size 1033c,** to see file of 1033bytes and we got ./maybehere07/.file2 file.
5. **cat ./maybehere07/.file2,** to see content of file
6. Here we get the password
7. Logout from bandit5
8. **ssh ssh://bandit6@bandit.labs.overthewire.org:2220** to login in bandit6
9. password : DXjZPULLxYr17uwoI01bNLQbtFemEgo7 (which we got in the ./maybehere07/.file2)

Level 7:

1. By using **pwd**, I got know about the current directory
2. Used **ls** to see contained directories and files.
3. **find / -user bandit7 -group bandit6 -size 33c,** to find file.
4. And got /var/lib/dpkg/info/bandit7.password
5. **cat /var/lib/dpkg/info/bandit7.password,** to see content of file
6. Here we get the password
7. Logout from bandit6
8. **ssh ssh://bandit7@bandit.labs.overthewire.org:2220** to login in bandit7
9. password : HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs (which we got in the /var/lib/dpkg/info/bandit7.password)

Level 8:

1. By using **pwd**, I got know about the current directory
2. Used **ls** to see contained directories and files.
3. **cat data.txt | grep "millionth",** to see content of file next to millionth
4. Here we get the password
5. Logout from bandit7
6. **ssh ssh://bandit8@bandit.labs.overthewire.org:2220** to login in bandit8
7. password : cvX2JJa4CFALtqS87jk27qwqGhBM9plV (which we got in the /home/bandit7/data.txt

Level 9:

1. By using **pwd**, I got know about the current directory
2. Used **ls** to see contained directories and files.
3. **cat /home/bandit7/data.txt,** to see content of file
4. There is a lot content but we are looking for the only word occurred once.
5. **sort data.txt | uniq -c | sort -nr,** to get the occurrence in descending order.
6. Here we get the password in the bottom
7. Logout from bandit8
8. **ssh ssh://bandit9@bandit.labs.overthewire.org:2220** to login in bandit9
9. password : UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR (which we got in the /home/bandit7/data.txt)

Level 10:

1. By using **pwd**, I got know about the current directory
2. Used **ls** to see contained directories and files.
3. **cat /home/bandit7/data.txt,** to see content of file
4. There is a lot content but we are looking for human readable string preceded by several =
5. **strings data.txt,** to get the strings human readable only.
6. There are many strings started with = but one of them is looking like the passwords we have found until now.
7. Check it logging in
8. Logout from bandit9
9. **ssh ssh://bandit10@bandit.labs.overthewire.org:2220** to login in bandit10
10. password : truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk (which we got in the /home/bandit7/data.txt)

Level 11:

1. By using **pwd**, I got know about the current directory
2. Used **ls** to see contained directories and files.
3. **cat data.txt**, to see content of file
4. Here we get the password but encrypted in base64
5. Run **echo VGhlIHBhc3N3b3JkIGlzIElGdWt3S0dzRlc4TU9xM0lSRnFyeEUxaHhUTkViVVBSCg== | base64 -d**
6. here we got “The password is IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR”
7. Logout from bandit10
8. **ssh ssh://bandit11@bandit.labs.overthewire.org:2220** to login in bandit11
9. password : IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR (which we got in the /home/bandit7/data.txt))

Level 12:

1. By using **pwd**, I got know about the current directory
2. Used **ls** to see contained directories and files.
3. **cat data.txt**, to see content of file
4. Here we get the password but rotated by 13 positions
5. Run **echo "Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh" | tr '[A-Za-z]' '[N-ZA-Mn-za-m]'**
6. here we got “The password is 5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu”
7. Logout from bandit11
8. **ssh ssh://bandit12@bandit.labs.overthewire.org:2220** to login in bandit12
9. password : 5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu (which we got in the /home/bandit7/data.txt))