

12. Create a table where columns will be action, Jsessionid, status and it will return all the products which were successfully processed and action=purchase.

```
index=test sourcetype=access_combined_wcookie action=purchase status=200 file=success.do | table action, JSESSIONID, status
```

13. Change the order of the fields so that JSESSIONID is the first column.

```
index=test sourcetype=access_combined_wcookie action=purchase status=200 file=success.do | table JSESSIONID, action, status.
```

14. Write a query to search, which returns all web application events that include a purchase action and visualize the products statistics with the help of Splunk

15. Write a query to search, which returns all web application events that include a purchase action and create a pie-chart as per the product ID obtained

```
index=test sourcetype=access_combined_wcookie action=purchase | stats count by productId.
```

16. Session IDs are called "UserSessions" in the marketing data. Rename JSESSIONID so that your report matches the marketing data

```
index=test sourcetype=access_combined_wcookie action=purchase status=200 file=success.do | table JSESSIONID, action, status | rename JSESSIONID as UserSessions.
```

17. Remove the duplicate Usersessions

```
index=test
```

```
sourcetype=access_combined_wcookie action=purchase status=200 file=success.do | dedup
```

```
JSESSIONID | table JSESSIONID, action, status | rename JSESSIONID as UserSessions
```

18. While having action and status fields displayed was nice for a sanity check of the data, the marketing team will not need to have these displayed. Remove them from your table display

```
index=test
```

```
sourcetype=access_combined_wcookie action=purchase status=200 file=success.do | dedup
```

```
JSESSIONID | table JSESSIONID | rename JSESSIONID as UserSessions
```

19 Use the top command to find the best-selling productIds for all time.

```
index=test sourcetype=access_combined_wcookie status=200 file=success.do | top productId
```

20. Use a command to find worst selling procdutIDs

```
index=test sourcetype=access_combined_wcookie status=200 file=success.do | rare productId
```

21. Notice that ten rows were returned. You were asked to only return the top 5.

```
index=test sourcetype=access_combined_wcookie status=200 file=success.do | top limit=5 productId
```