

Business analyst Nano Degree

Digital music store Database

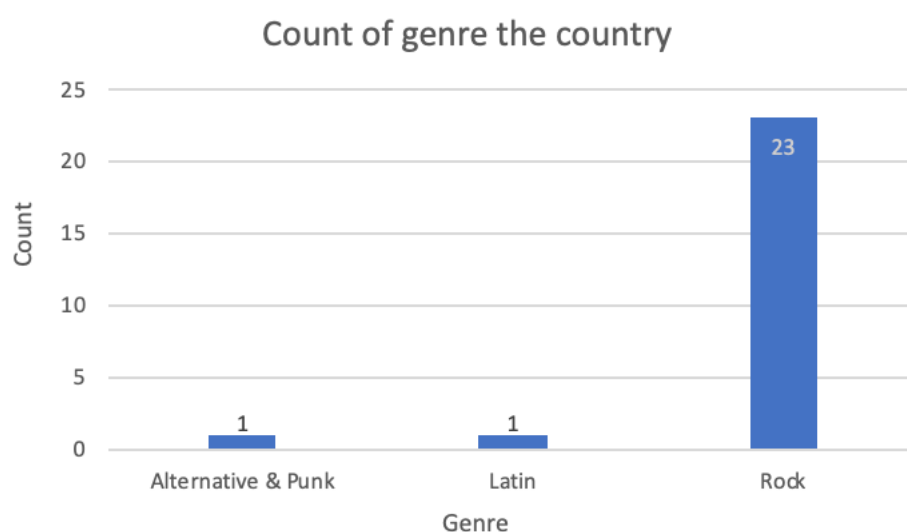
Name: Pranjal Shukla

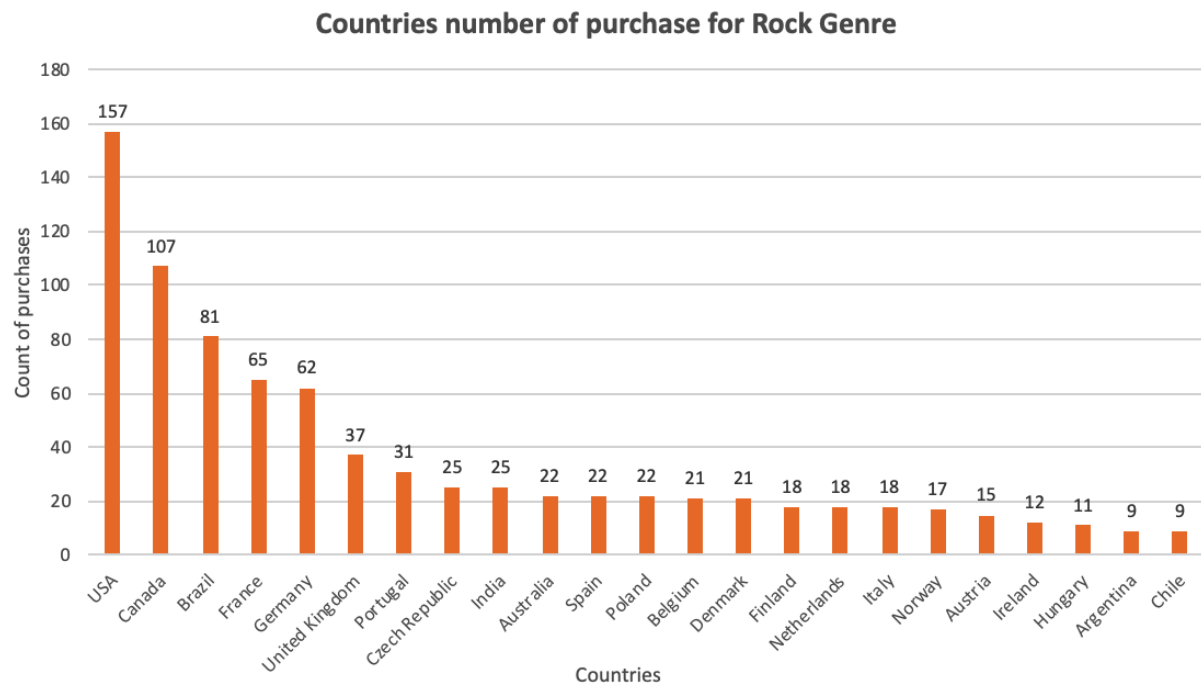
Query 1

```
With t1 as(SELECT Count(G.GenreId) AS Purchases, C.Country AS Country,G.Name As  
GenreName, G.GenreId AS ID  
FROM Customer C  
JOIN Invoice I  
ON I.CustomerId=C.CustomerId  
JOIN InvoiceLine IL  
ON IL.InvoiceId=I.InvoiceId  
JOIN TRACK T  
ON T.TrackId=IL.TrackId  
JOIN Genre G  
ON G.GenreId=T.GenreId  
GROUP BY 2,3),
```

```
t2 as (Select Max(t1.Purchases) Maximo, Country as Nation , GenreName Genero  
From t1  
Group by t1.Country)
```

```
Select Maximo, Nation, GenreName,ID  
from t2  
Join t1  
where Maximo = t1.purchases and Nation = t1.Country
```



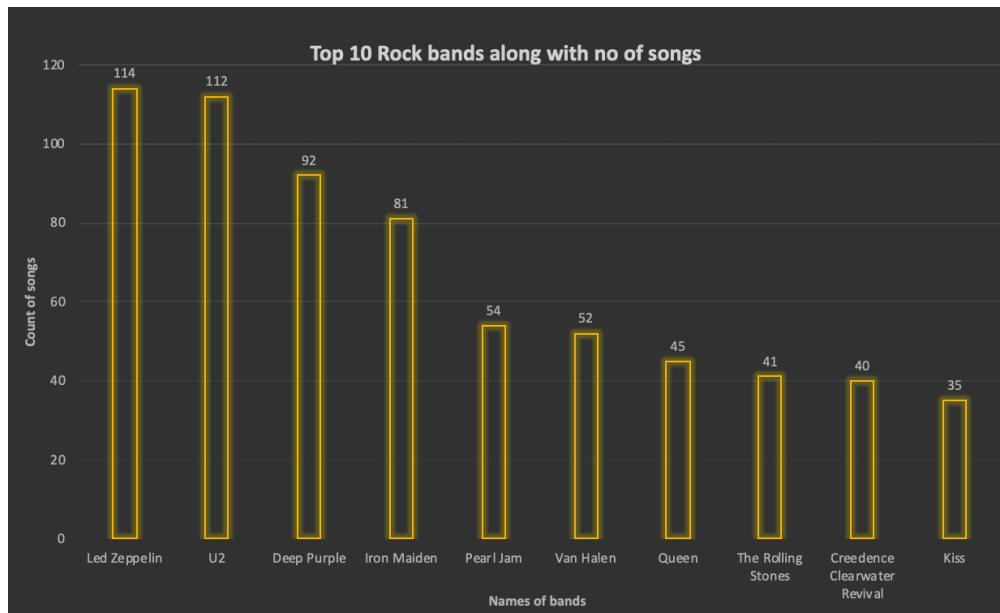


Query 2

```

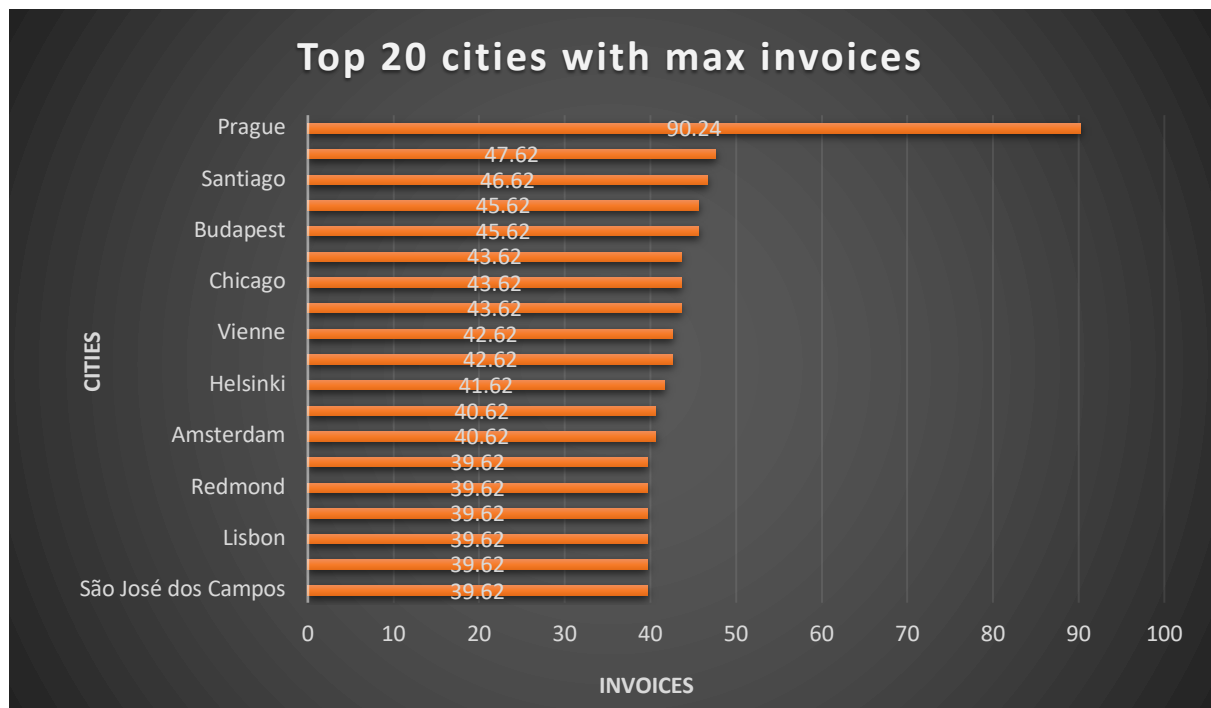
SELECT Ar.ArtistId,Ar.Name,count(T.TrackId) as songs
from Artist as Ar
JOIN Album as A
on Ar.ArtistId=A.ArtistId
JOIN Track as T
on A.AlbumId=T.AlbumId
join Genre as G
on T.GenreId=G.GenreId
Where G.Name="Rock"
group by 1
order by 3 desc
limit 10;

```



Query 3

```
SELECT c.CustomerId,c.Email,c.country,c.city,sum(i.total) as invoices
from Invoice as i
join Customer as c
on c.CustomerId=i.CustomerId
group by 1
order by invoices DESC;
```



Query 4

```
Select c.CustomerId, c.FirstName,c.LastName,sum(i.total) as Invoice  
from Customer as c  
join Invoice as i  
on i.CustomerId=c.CustomerId  
where c.city ="Prague"  
group by 1  
order by 4 DESC;
```

