```
1.What is the most expensive app on the Play Store?

max_price = df_data['Price'].max()
max_price = df_data[df_data['Price'] == max_price]
max_price['App']

> 0.0s

Python

A367 I'm Rich - Trump Edition
Name: App, dtype: object
```

```
3.What is the average size of free vs. paid apps?

avg_size_free_vs_paid = df_data.groupby('Type')['size'].mean()
print(avg_size_free_vs_paid)

v 0.0s

Python

Type
Free 15.433058
Paid 14.190778
Name: Size, dtype: float64
```

```
4.What are the top 5 most expensive apps with a perfect rating (5)?

top = df_data[(df_data['Rating'] == 5)].nlargest(5, 'Price')[['App']]
top

v 0.0s

App

7477 USMLE Step 2 CK Flashcards
5482 meStudying: AP English Lit
7204 Tl-84 CE Graphing Calculator Manual Tl 84
5237 Hey AJ! It's Saturday!
8287 AC DC Power Monitor
```

```
5.How many apps have received more than 50K reviews?

reviews = df_data[(df_data['Reviews'] >= 50000)].count()
print(reviews['Reviews'])

> 0.0s
Python
```

```
8.What is Google's estimated revenue from apps with 5,000,000+ installs?

more_than = df_data[(df_data['Installs'] > 5000000)]
revenue = (more_than['Installs'] * more_than['Price']).sum()
revenue = revenue * 0.3
print(revenue)

$\square$ 0.0s

Python
```

```
9.What are the maximum and minimum sizes of free vs. paid apps?

free_max = df_data[(df_data['Type'] == 'Free')]['size'].max()
free_min = df_data[(df_data['Type'] == 'Free')]['size'].min()
paid_max = df_data[(df_data['Type'] == 'Paid')]['size'].max()
paid_min = df_data[(df_data['Type'] == 'Paid')]['size'].min()
print('free max {} , free min {}'.format(free max, free min))
print('paid max {} , paid min {}'.format(paid_max, paid_min))

$\times 0.0s$

Python

free max 53.0 , free min 0.00830078125
paid max 53.0 , paid min 0.0166015625
```

```
11.How many apps exist for each type (free/paid) across different content ratings?

app_count = df_data.groupby(['Type', 'Content Rating']).count()
app_count['App']

> 0.0

Python

Type Content Rating
Free Adults only 18+ 2
Everyone 5566
Everyone 10+ 182
Mature 17+ 270
Teen 670
Unrated 2
Paid Everyone 10+ 24
Mature 17+ 15
Teen 39

Name: App, dtype: int64
```

```
12.How many apps are compatible with Android version 4.x?

ver_4 = df_data[df_data['Android Ver'].str.startswith("4")].count()
print(ver_4.iloc[0])

v 0.0s

Python
```