Q1:

a:

```python
import numpy as np
import pandas as pd
r = int(input(""))
c = int(input(""))
s = int(input(""))

aarray = np.arange(s, s+r*c, 1)
aarray = aarray.reshape([r,c])
barray = np.sqrt(aarray)


barray + aarray  # output sum
```

b:

```python
a = pd.DataFrame({"year":[2018, 2019, 2020,
2018,2019,2020,2018,2019,2020], "team":["HKU", "HKU", "HKU",
"CU","CU","CU", "UST", "UST", "UST"], "wins":[30, 28, 32, 29, 32,
26, 21, 17, 19], "draws":[6,7,4,5,4,7,8,10,8], "losses":[2,3,2,4,
2, 5, 9, 11 , 11]})


a
```

c:

```python
team_wins = a[["team", "wins"]].groupby("team")
print(team_wins.groups)
print(team_wins.sum())
```

d:

```python
sums = team_wins.sum()

sums.loc[sums.idxmax()]
```