```
[1] import pandas as pd
   df = pd.read_csv('dataset/Gamepass_Games_v1.csv')
[2] oldsymbol{u}_1 Extract min and max hours as two columns
    def get_avg(x):
      try: return float(x[0]) , float(x[1])
      except: return 0, 0
   df['min'], df['max'] = zip(*df['TIME'].str.replace(
        hours','').str.split("-").apply(get_avg))
\boldsymbol{c}_2
    df['ADDED'] = pd.to_datetime(
[3]
        df['ADDED'], format="%d %b %y", errors='coerce')
c_3
[4] oldsymbol{u}_2 In which year was the most played game added?
   df['GAMERS']=df['GAMERS'].str.replace(
                                          ').astype(int)
c_4 added_year=df[df['GAMERS'].idxmax()]['ADDED'].year
       For each month in that year, how many games that
[5] u_3
        has a rating of more than four?
   df[(df['ADDED'].dt.year== added_date.year) &
   (df['RATING']>4)].groupby(
                     df["ADDED"].dt.month)['GAME'].count()
c_5
    oldsymbol{u}_{4} What is the average maximum completion time for
[6]
        all fallout games added in 2021?
    fallout=df[df['GAME'].str.contains('Fallout')]
    fallout.groupby(fallout['ADDED'].dt.year).get_group(
      2021) ['max'].mean()
c_6
    oldsymbol{u}_5 What is the amount of games added in each year
[7]
       for each month? (show a table with index as years,
       columns as months and fill null values with 0)
    pd.pivot_table(df, index=df['ADDED'].dt.year,
       aggfunc=np.count_nonzero,
       fill_value='0').rename_axis(
         index='Year', columns='Month')
c_7
```