Aggregating Data and Querying using Pandas - Assignment

Code for the dataframe:

```
student_data = pd.DataFrame({
    'school_code': ['s001','s002','s003','s001','s002','s004'],
    'class': ['V', 'V', 'VI', 'VI', 'V', 'VI'],
     'name': ['Alberto Franco','Gino Mcneill','Ryan Parkes', 'Eesha Hinton',
'Gino Mcneill', 'David Parkes'],
                                        'date_Of_Birth            ':
['15/05/2002','17/05/2002','16/02/1999';'25/09/1998','11/05/2002','15/09/1997'],
    'age': [12, 12, 13, 13, 14, 12],
    'height': [173, 192, 186, 167, 151, 159],
    'weight': [35, 32, 33, 30, 31, 32],
    'address': ['street1', 'street2', 'street3', 'street1', 'street2', 'street4']},
    index=['S1', 'S2', 'S3', 'S4', 'S5', 'S6'])
```

1. **Write a Pandas program to split the following dataframe by school code and get mean, min, and max value of age for each school**
2. **Write a Pandas program to split the following dataframe by school code and get median, variance, and standard deviation of age for each school**

3. **Write a Pandas program to split the following dataframe into groups by school code and get mean, min, and max value of age with customized column name for each school.**

Code for Dataframe

```
df = pd.DataFrame(data={'Animal': ['fox', 'Kangaroo', 'deer',
                    'spider', 'snake'],
            'Number_legs': [4, 2, 4, 8, np.nan]})
```

4. **Calculate the rank for the above dataframe.**

This is a Take Home Assignment. Hence, Please solve the assignment for your practice and Knowledge Building , Assignment Solutions will be Released as usual to enhance your learning.