```
import pandas as pd

df = pd.read_csv("/content/Placement_Data_Full_Class.csv")

df.columns
```

```
Index(['sl_no', 'gender', 'ssc_p', 'ssc_b', 'hsc_p', 'hsc_b', 'hsc_s',
       'degree_p', 'degree_t', 'workex', 'etest_p', 'specialisation',
'mba_p',
       'status', 'salary'],
      dtype='object')
```

```
df = df.rename(columns={"hsc_p": "highschool_percentage", "degree_p":
"degree_percentage"})

df["degree_percentage"] = df["degree_percentage"].apply(lambda x:
"yes" if x>50 else "no")

df["degree_percentage"]
```

```
0      yes
1      yes
2      yes
3      yes
4      yes
      ...
210    yes
211    yes
212    yes
213    yes
214    yes
Name: degree_percentage, Length: 215, dtype: object
```

```
new_df = df[["highschool_percentage", "degree_percentage"]]


from sklearn.linear_model import LogisticRegression

Lor = LogisticRegression()

inp = new_df[["highschool_percentage"]]
out = new_df["degree_percentage"]

Lor.fit(inp, out)
```

```
LogisticRegression()
```

```
a = int(input("enter your highschool grade: "))
Lor.predict([[a]])
```

```
enter your highschool grade: 98
```

```
/usr/local/lib/python3.12/dist-packages/sklearn/utils/
validation.py:2739: UserWarning: X does not have valid feature names,
but LogisticRegression was fitted with feature names
  warnings.warn(

array(['yes'], dtype=object)
```