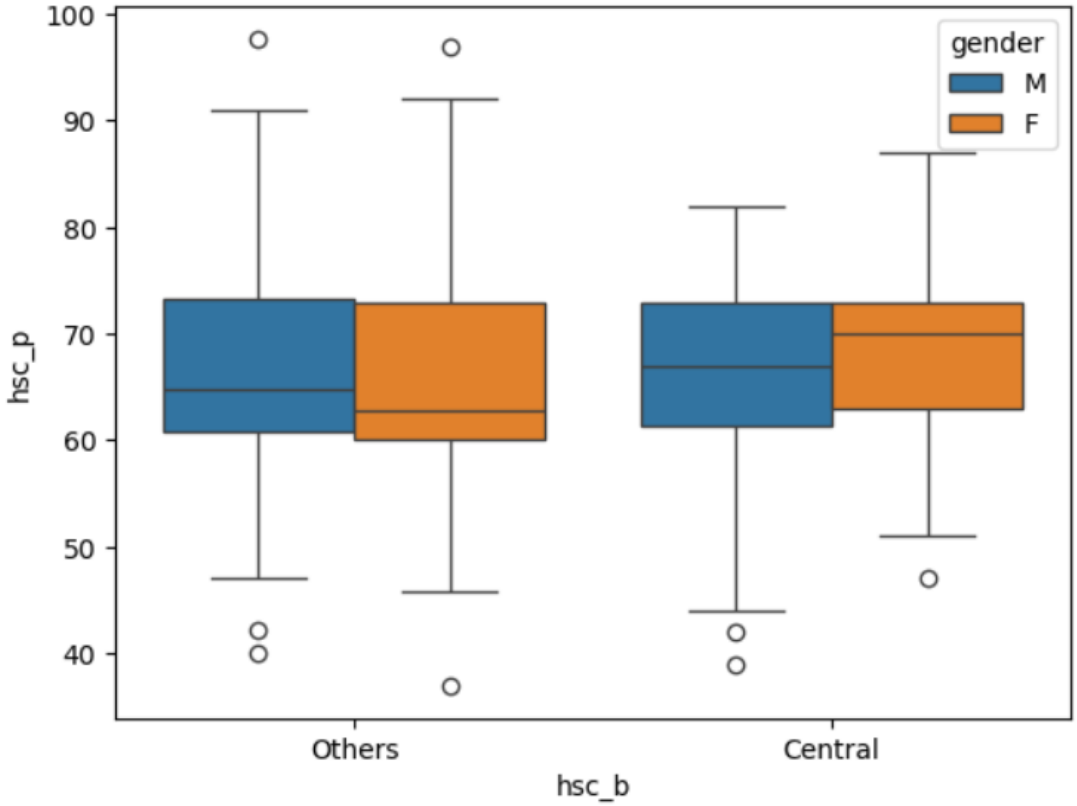
Interpretation of Box plot:

```
[19]: sb.boxplot(data=dataset,x='hsc_b',y='hsc_p',hue='gender')
```

```
[19]: <Axes: xlabel='hsc_b', ylabel='hsc_p'>
```



The above graph describes the 12th std mark against board of study for male and female.

12th Pass/Others for Male→

1. Initial value starts just above the female.
2. Q1- Just above 60 marks
3. Q2- Around 65 Marks
4. Q3- Around 72 Marks
5. Q4-Just above 90

12th Pass/Others for FeMale→

1. Initial value is lesser than male candidates
2. Q1- Around 60 marks
3. Q2- Just above 60, it could be around 62
4. Q3- Around 71
5. Q4- Just above 90, could be around 92

Conclusion: The overall performance of male candidates are better, as their stating, peaking marks are better than female candidates.

12th Pass/Central for Male→

6. Initial value is just around 45.
7. Q1- Just above 61 marks
8. Q2- Around 67 Marks
9. Q3- Around 72 Marks
10. Q4-Just above 80

12th Pass/Central for FeMale→

6. Initial value is above 50 marks
7. Q1- Around 63 marks
8. Q2- Just above 70, it could be around 71
9. Q3- Around 73
10. Q4- Just below 90, could be around 88

Conclusion:

Over all performance of female candidates are better, as their starting mark and their Q4 mark is far better than male candidates.