

## 5. Class Label = ‘Buys Computer’

Records	Age	Income	Student	Credit_rating	Buys_computer
1	<=30	High	No	Fair	No
2	<=30	High	No	Excellent	No
3	31...40	High	No	Fair	Yes
4	>40	Medium	No	Fair	Yes
5	>40	Low	Yes	Fair	Yes
6	>40	Low	Yes	Excellent	No
7	31...40	Low	Yes	Excellent	Yes
8	<=30	Medium	No	Fair	No
9	<=30	Low	Yes	Fair	Yes
10	>40	Medium	Yes	Fair	Yes
11	<=30	Medium	Yes	Excellent	Yes
12	31...40	Medium	No	Excellent	Yes
13	31...40	High	Yes	Fair	Yes
14	>40	Medium	No	Excellent	No

**6.**Represent the student’s performance using C5.0 algorithm with the dataset provided below.. Predict whether a student gets a job offer if the student is highly interactive with average practical knowledge and moderate communication skill. Mark the path of search in the tree constructed.

Sl No	CGPA	Interactiveness	Practical Knowledge	Communication Skills	Job Offer
1	>=9	Yes	Very Good	Good	Yes
2	>=8	No	Good	Moderate	Yes
3	>=9	No	Average	Poor	No
4	< 8	No	Average	Good	No
5	>=8	Yes	Good	Moderate	Yes
6	>=9	Yes	Good	Moderate	Yes
7	< 8	Yes	Good	Poor	No
8	>=9	No	Very Good	Good	Yes
9	>=8	Yes	Good	Good	Yes
10	>=8	Yes	Average	Good	Yes