**Branching**

Jab hum commit krty hein hmara har commit aik hash generate krta hy. Hr commit reference krta hy atleast aik parent commit ko jo us se pehle kia jaata hy.

Jab bht sare contexts me kaam ho raha ho kisi bhi project par tab hum linear commits k sath ni kr skty humy wahan use krna prta hy branches ko.

Jab ap aik branh par kaam krogy to ap koi doosri branch ni khraab krogy. Ye faida hoga branching krne ka jab ap aik branch me change krogy doosri branch ko uska nip ta hoga.

**Is it master or main:**

Hum Git me kaam aik branch me hi kr rhy hoty hein jisko master branch kehty hein. Lekin ye hoti aese hi hy jese koi bhi aam branch hoti hy git me.

**Head 🡪 Master:**

Ye term hy Git ki specifically ye point krta hy hmari current location ko repository ke andr.

Forexample aik book ki example lein jisme 3 nishaniya lgi hui hein different jgho pr wo 3 nishania aese smjho jese 3 branches hein ab aik wqt me ap aik hi nishani wala page khol skty ho. Aik wqt me aik hi page khul skta hy to yehi kaam HEAD krta hy wo refer krta hy aapki active branch kit rf.

**Viewing Branches:**

Git branch 🡪 ye command likhne sari existing branches show ho jati hein.

Switch Branches:

Git switch 🡪 ye new command aayi hy branches k drmian switch krne k liye is se pehle git checkout use hoti thi.

**Git checkout vs Git Switch:**

Git checkout branches switch krne ke ilawa or bhi bht se kaam krti hy.