In [1]:
```
import pandas as pd
data={ "name":['harish','bharath','mahesh','kushal'],
      "branch name":['CS','EC','CS','ME'],
       "marks":[90,80,85,70],
       "regno":[11,12,13,14,],
       "college name":['gjc','sjes','gptc','gptc']
     }
df=pd.DataFrame(data)
```

In [2]:
```
df
```

Out[2]:

	name	branch name	marks	regno	college name
0	harish	CS	90	11	gjc
1	bharath	EC	80	12	sjes
2	mahesh	CS	85	13	gptc
3	kushal	ME	70	14	gptc

In [4]:
```
data=df.filter(items=["branch name"])
data
```

Out[4]:

	branch name
0	CS
1	EC
2	CS
3	ME

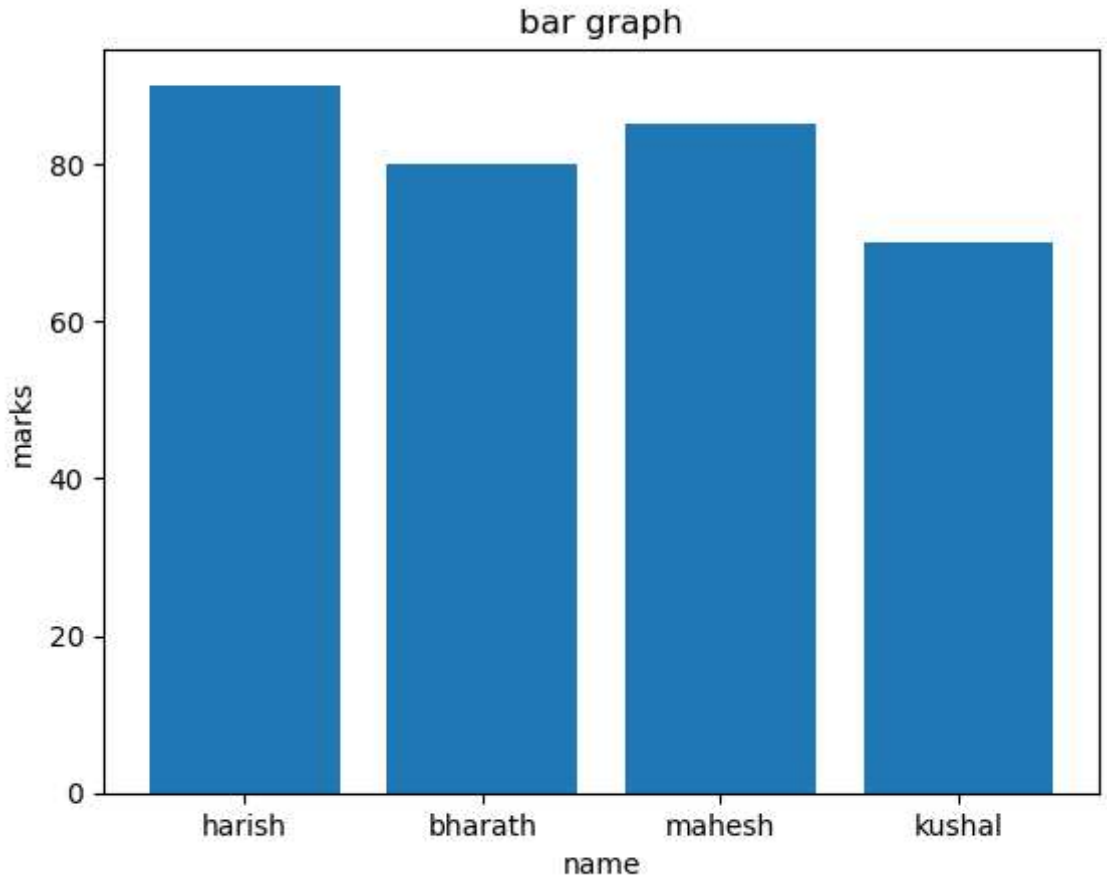
In [5]:
```
data=df.melt(["branch name"])
data
```

Out[5]:

	branch name	variable	value
0	CS	name	harish
1	EC	name	bharath
2	CS	name	mahesh
3	ME	name	kushal
4	CS	marks	90
5	EC	marks	80
6	CS	marks	85
7	ME	marks	70
8	CS	regno	11
9	EC	regno	12
10	CS	regno	13
11	ME	regno	14
12	CS	college name	gjc
13	EC	college name	sjes
14	CS	college name	gptc
15	ME	college name	gptc

In [6]:

```
import matplotlib.pyplot as plt
plt.bar(df['name'],df['marks'])
plt.xlabel('name')
plt.ylabel('marks')
plt.title("bar graph")
plt.show()
```


bar graph
marks
0
20
40
60
80
harish
bharath
mahesh
kushal
name

In [ ]: