RWM - Reproducible Without Modification

RWMJ - Reproducible With Major Modification

RWMM - Reproducible With Minor Modification

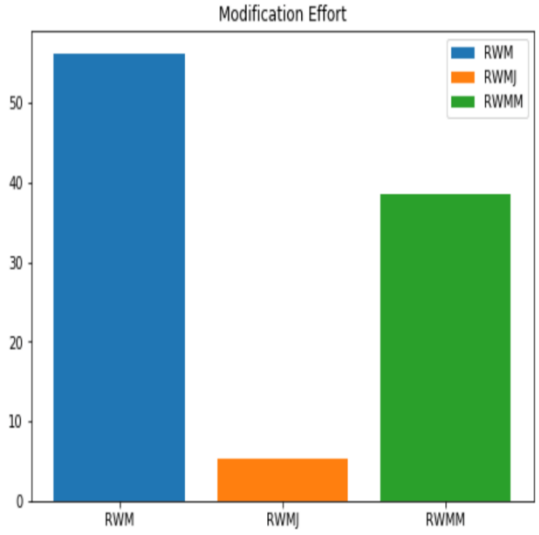
Below cell shows the percentage of Modification Effort For Reproducible issues

In [8]:
```
d = {'RWM':[RWMPerCentage] , 'RWMJ': [RWMJPerCentage],'RWMM': [RWMMPerCentage]}
ReproduceTable = pd.DataFrame(d)
ReproduceTable
```

Out[8]:

	RWM	RWMJ	RWMM
0	56.25	5.208333	38.541667

In [9]:
```
fig = plt.figure()
ax = fig.add_axes([0,0,1,1])
ax.set_title('Modification Effort')
langs = ['RWM', 'RWMJ','RWMM']
students = [RWMPerCentage,RWMJPerCentage,RWMMPerCentage]
for y_arr, label in zip(students, langs):
    ax.bar(label,y_arr)
plt.legend(langs)
plt.show()
```



REP - Reproducible

IREP- Irreproducible

IAC - Inacurate Claim

IDEF - Ill Defined Issue

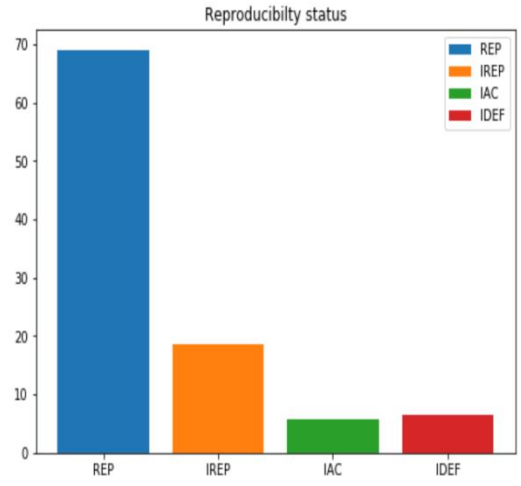
Below table shows the percentage of Reproducibility Status

In [10]:
```
status = {'REP':[RepPercentage] , 'IREP': [IREPPerCentage],'IAC': [IACPerCentage],'IDEF':[IDEFPerCentage]}
ReproduceStatusTable = pd.DataFrame(status)
ReproduceStatusTable
```

Out[10]:

	REP	IREP	IAC	IDEF
0	69.064748	18.705036	5.755396	6.47482

In [11]:
```
fig = plt.figure()
ax = fig.add_axes([0,0,1,1])
ax.set_title('Reproducibilty status')
langs = ['REP', 'IREP','IAC', "IDEF"]
students = [RepPercentage,IREPPerCentage,IACPerCentage,IDEFPerCentage]
for y_arr, label in zip(students, langs):
    ax.bar(label,y_arr)
plt.legend(langs)
plt.show()
```



AA Present - Accepted Answers Present

AA Absent - Accepted Answers Absent

Below cell shows the number of Reproducible and Irreproducible Questions for which Accepted Answers are Present or Absent

In [14]:
```
REPYES = RWMYES + RWMMYES + RWMJYES
REPNO = RWMNO + RWMMNO + RWMJNO
d = {'AA Present':[REPYES,IREPYES] , 'AA Absent': [REPNO,IREPNO] }
ReproduceTable = pd.DataFrame(d,index=['Reproducible','Irreproducible'])
ReproduceTable
```

Out[14]:

	AA Present	AA Absent
Reproducible	61	35
Irreproducible	10	16

s

AA Present - Accepted Answers Present

AA Absent - Accepted Answers Absent

Below cell shows the percentage of Reproducible and Irreproducible Questions for which Accepted Answers are Present or Absent

In [16]:
```
d = {'AA Present':[REPYESper,IREPYESper] , 'AA Absent': [REPNOper,IREPNOper] }
ReproduceStatusTable = pd.DataFrame(d,index=['Reproducible','Irreproducible'])
ReproduceStatusTable
```

Out[16]:

	AA Present	AA Absent
Reproducible	43.884892	25.179856
Irreproducible	7.194245	11.510791