ADS - Project 1

Check how many followers Donald Trump, Hillary Clinton, Bernie Sanders, and the POTUS account have

Result: Trump has the most followers, followed by the POTUS account, then Hillary, and then Bernie.

In [6]:
```python
#Get user information for Trump
trump = api.get_user('realDonaldTrump')
print("Number of followers for Trump: " + str(trump.followers_count))

#Get user information for Hillary
hillary = api.get_user('HillaryClinton')
print("Number of followers for Hillary: " + str(hillary.followers_count))

#Get user information for Bernie
bernie = api.get_user('BernieSanders')
print("Number of followers for Bernie: " + str(bernie.followers_count))

#Get user information for POTUS
# potus = api.get_user('POTUS')
print("Number of followers for the POTUS account: " + str(potus.followers_coun
t))

print("Trump has the most followers, followed by the POTUS account, then Hilla
ry, and then Bernie.")
```

```
Number of followers for Trump: 26142747
Number of followers for Hillary: 13532345
Number of followers for Bernie: 5804720
Number of followers for the POTUS account: 15916812
Trump has the most followers, followed by the POTUS account, then Hillary, an
d then Bernie.
```
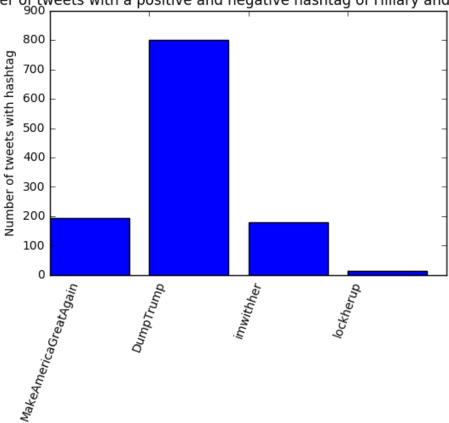
Which hashtag has appeared more:"MakeAmericaGreatAgain", "DumpTrump", "imwithher", or "lockherup"

Result: the anti trump hashtag and the pro hillary hashtag have appeared more, the anti trump hashtag having far more

```
In [13]:  maxTweets = 100000

          #Define the searchquery for #MakeAmericaGreatAgain
          searchQuery = 'place:96683cc9126741d1 #MakeAmericaGreatAgain'
          tweetCount = 0
          #Count number of times the hashtag appears
          for tweet in tweepy.Cursor(api.search,q=searchQuery).items(maxTweets):
              if tweet.place is not None:
                  tweetCount += 1
          print("Number of tweets with the hashtag #MakeAmericaGreatAgain: " + str(tweet
          Count))

          #Define the searchquery for #DumpTrump
          searchQuery1 = 'place:96683cc9126741d1 #DumpTrump'
          tweetCount1 = 0
          #Count number of times the hashtag appears
          for tweet in tweepy.Cursor(api.search,q=searchQuery1).items(maxTweets):
              if tweet.place is not None:
                  tweetCount1 += 1
          print("Number of tweets with the hashtag #DumpTrump: " + str(tweetCount1))

          #Define the searchquery for #imwithher
          searchQuery2 = 'place:96683cc9126741d1 #imwithher'
          tweetCount2 = 0
          #Count number of times the hashtag appears
          for tweet in tweepy.Cursor(api.search,q=searchQuery2).items(maxTweets):
              if tweet.place is not None:
                  tweetCount2 += 1
          print("Number of tweets with the hashtag #imwithher: " + str(tweetCount2))

          #Define the searchquery for #Lockherup
          searchQuery3 = 'place:96683cc9126741d1 #lockherup'
          tweetCount3 = 0
          #Count number of times the hashtag appears
          for tweet in tweepy.Cursor(api.search,q=searchQuery3).items(maxTweets):
              if tweet.place is not None:
                  tweetCount3 += 1
          print("Number of tweets with the hashtag #lockherup: " + str(tweetCount3))

          tweetsPerHashtag = []
          tweetsPerHashtag.append(tweetCount)
          tweetsPerHashtag.append(tweetCount1)
          tweetsPerHashtag.append(tweetCount2)
          tweetsPerHashtag.append(tweetCount3)

          x = range(len(tweetsPerHashtag))

          #Create a bar graph for the hashtags
          plt.bar(x, tweetsPerHashtag)
          plt.title("Number of tweets with a positive and negative hashtag of Hillary an
          d Trump each")
          plt.ylabel("Number of tweets with hashtag")
          plt.xlabel("Each Hashtag")
          plt.xticks(x, ["MakeAmericaGreatAgain", "DumpTrump", "imwithher", "lockherup"
          ], rotation = 70)
          plt.show()
```

```
Number of tweets with the hashtag #MakeAmericaGreatAgain: 193
Number of tweets with the hashtag #DumpTrump: 802
Number of tweets with the hashtag #imwithher: 179
Number of tweets with the hashtag #lockherup: 15
```

Number of tweets with a positive and negative hashtag of Hillary and Trump each