Fire a search query using Python

```
In [ ]:   #web browser module
          import webbrowser
```

```
In [ ]:   #list for socialMedia, searchEngine, Forum sites
          sm_list=["facebook","twitter","instagram","youtube"]
          se_list=["google","yahoo","bing","duckduckgo"]
          forum_list=["quora","medium"]
```

Functions for various socialMedia, searchEngine, Forum

```
In [ ]:   #Facebook Search
          def facebook(a):
              b="https://www.facebook.com/"+a
              return b
```

```
In [ ]:   #Twitter Search
          def twitter(a):
              b="https://twitter.com/search?q="+a
              return b
```

```
In [ ]:   #Instagram Search
          def instagram(a):
              b="https://www.instagram.com/"+a
              return b
```

```
In [ ]:   #Quora Search
          def quora(a):
              b="https://www.quora.com/search?q="+a
              return b
```

```
In [ ]:   #Google Search
          def google(a):
              b="https://www.google.co.in/search?q="+a
              return b
```

```
In [ ]:   #Bing Search
          def bing(a):
              b="https://www.bing.com/search?q="+a
              return b
```

```
In [ ]:   #Wikipedia Search
          def wikipedia(a):
              b="https://en.wikipedia.org/wiki/"+a
              return b
```

```
In [ ]:   #DuckDuckGo
          def duckduckgo(a):
              b="https://duckduckgo.com/?q="+a
              return b
```

```
In [ ]:  #Medium Search
         def medium(a):
             b="https://medium.com/search?q="+a
             return b
```

```
In [ ]:  #Yahoo Search
         def yahoo(a):
             b="https://in.search.yahoo.com/search?p="+a
             return b
```

```
In [ ]:  #YouTube Search
         def youtube(a):
             b="https://www.youtube.com/results?search_query="+a
             return b
```

```
In [ ]:  #for rest of
         def other(a,b):
             c="https://www.google.co.in/search?q="+a+" "+b
             return c
```

Social Media Section

```
In [ ]:  def socialMedia():
             print("""
                 * Facebook
                 * Twitter
                 * Instagram
                 * YouTube""")

             value=input("Enter your choice: ") #Ask for user choice

             if value.lower()==sm_list[0]:    #match with Facebook
                 search=input("Enter Faceboook username: ")
                 url=facebook(search)         #call facebook()
                 return url

             elif value.lower()==sm_list[1]:
                 search=input("Enter Twitter username: ")
                 url=twitter(search)
                 return url

             elif value.lower()==sm_list[2]:
                 search=input("Enter Instagram username: ")
                 url=instagram(search)
                 return url

             elif value.lower()==sm_list[3]:
                 search=input("Enter YouTube username: ")
                 url=youtube(search)
                 return url

             else:                                   #not matched
                 #asked for Social Media Username
                 search=input("Enter "+" "+ value +" "+ "username: ")
                 url=other(value,search)         #call other()
                 return url
```

Search Engine Section

```
In [ ]: def searchEngine():
            search=input("What you want to search?? ")
            print("""
                * DuckDuckGo
                * Google
                * Yahoo
                * Bing""")

            value=input("Enter your choice: ")  #Ask for user choice

            if value.lower()==se_list[0]:        #matched with Google
                url=google(search)               #call Google
                return url

            elif value.lower()==se_list[1]:
                url=yahoo(search)
                return url

            elif value.lower()==se_list[2]:
                url=bing(search)
                return url

            elif value.lower()==se_list[3]:
                url=duckduckgo(search)
                return url

            else:
                url=other(search,value)
                return url
```

Forum Section

```
In [ ]: def forums():
            search=input("Enter Question: ")

            print("""
                * Quora
                * Medium""")
            value=input("Enter your choice: ") #asked for user choice

            if value.lower()==forum_list[0]:
                url=quora(search)
                return url

            elif value.lower()==forum_list[1]:
                url=medium(search)
                return url

            else:
                url=other(search,value)
                return url
```

Main Section

In [ ]:
```python
def browser():

    flag=True        #initially flag set to True
    while(flag!=False): #execute while block till flag set to False
        print("""
        1. Social Media
        2. Search?
        3. Ask Question""")
        choice=(input("Enter Your Choice, (1/2/3): ")) #asked for user choice
        #matched with socialMedia
        if int(choice) == 1:
            #call socialMedia and stored return value in url
            url=socialMedia()
            #open new tab in browser with passed url
            webbrowser.open_new(url)
        elif int(choice) == 2:
            url=searchEngine()
            webbrowser.open_new(url)
        elif int(choice) == 3:
            url=forums()
            webbrowser.open_new(url)
        else:
            print("Give correct input!!")

        op=input("Continue (y/n): ")    #if user wants to search again.

        if op.lower() == 'y':
            flag == True
        else:
            print("Good Bye!")
            exit()                    #code terminated.
```

In [ ]:
```python
#----------call browser function to starts surfing
browser()
```

-Smit Jethwa!