

Output:-

Inserted 127 - Daren - Siemantel

Inserted 154 - Reggis - Rassmann

Inserted 349 - Tommie - Bunhill

Inserted 923 - Kerr - Mangam

Inserted 335 - Torry - Ayres

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Inserted 902 - Catharina - Laxston

Inserted 113 - April - Coppen

Inserted 742 - Jeff - Leipold

Inserted 857 - Jakob - Arondel

Inserted 45 - Kenna - Paulsson

Inserted 560 - Larry - Eberts

Inserted 877 - Barr - Lewerenz

Inserted 434 - Giustina - Bonelle

Inserted 641 - Ulrika - Simione

Inserted 649 - Batholomew – Benterman

Select based in which key you wants to search:

0.Id

1.First Name

2.Last Name

3.Address

4.Email

5.City

6.State

7.Car

8.Phone number

9.GPS

10.Exit

Enter Your Choice :

Enter string to be searched from Data:

Searching for id:

```
Select based in which key you wants to search:
0.Id
1.First Name
2.Last Name
3.Address
4.Email
5.City
6.State
7.Car
8.Phone number
9.GPS
10.Exit
Enter Your Choice:0
Choice is 0
Enter string to be searched from Data:936
Visited 32 nodes in BST.
Compared 226 Nodes.
Completed search in BST in 1303 micro sec
Completed search in Linked List in 1480 micro sec
Found String 936 in Gilligan
Details of person are
id : 936
first_name : Gilligan
last_name : Franscioni
email: gfranscionipz@whitehouse.gov
address: 5043 Donald Drive
city: Hartford
state: CT
latitude: 41.7665
longitude: -72.6933
car: Subaru
car_model: Leone
car_color: Puce
favorite_movie: Passchendaele
pet: Chipmunk, least
job_title: Web Designer I
phone_number: (860) 6096754
stocks: PRPH, DYN, YHOO, NAVI, AFGH, VNO^K, HSIC,
Found in Linked List also
```

Select by First name:

```
Select based in which key you wants to search:
0.Id
1.First Name
2.Last Name
3.Address
4.Email
5.City
6.State
7.Car
8.Phone number
9.GPS
10.Exit
Enter Your Choice:1
Choice is 1
Enter string to be searched from Data:Angy
Visited 42 nodes in BST.
Compared 564 Nodes.
Completed search in BST in 2209 micro sec
Completed search in Linked List in 4010 micro sec
Found String angy in Angy
Details of person are
id : 4
first_name : Angy
last_name : Barff
email: abarff3@vimeo.com
address: 2215 Myrtle Terrace
city: Miami
state: FL
latitude: 25.7559
longitude: -80.2013
car: Acura
car_model: RL
car_color: Puce
favorite_movie: Countess Dracula
pet: Dusky rattlesnake
job_title: Account Coordinator
phone_number: (305) 2424790
stocks: SPAR, ARES^A, SFUN, NC, ORG, VTWV, NAT,
Found in Linked List also
```

Search by Last name

```
Found in Linked List also
Select based in which key you wants to search:
0.Id
1.First Name
2.Last Name
3.Address
4.Email
5.City
6.State
7.Car
8.Phone number
9.GPS
10.Exit
Enter Your Choice:2
Choice is 2
Enter string to be searched from Data:Fau11
Visited 56 nodes in BST.
Compared 465 Nodes.
Completed search in BST in 2340 micro sec
Completed search in Linked List in 2527 micro sec
Found String fau11 in Farrand
Details of person are
id : 5
first_name : Farrand
last_name : Fau11
email: ffau114@eepurl.com
address: 57792 Bluejay Drive
city: Port Charlotte
state: FL
latitude: 27.0228
longitude: -82.1108
car: Hyundai
car_model: Azera
car_color: Purple
favorite_movie: The Hire: Follow, The
pet: Moccasin, water
job_title: Civil Engineer
phone_number: (941) 9602357
stocks: CLDC, JCTCF, FBHS, WRB, SBLKL, BDSI, RESN,
Found in Linked List also
```

Search for Address:

```
Select based in which key you wants to search:
0.Id
1.First Name
2.Last Name
3.Address
4.Email
5.City
6.State
7.Car
8.Phone number
9.GPS
10.Exit
Enter Your Choice:3
Choice is 3
Enter string to be searched from Data:97 Coolidg
Visited 16 nodes in BST.
Compared 663 Nodes.
Completed search in BST in 1800 micro sec
Completed search in Linked List in 2748 micro sec
Found String 97 coolidg in Aldon
Details of person are
id : 9
first_name : Aldon
last_name : Pitherick
email: apitherick8@clickbank.net
address: 97 Coolidge Hill
city: Pomona
state: CA
latitude: 33.7866
longitude: -118.299
car: Hyundai
car_model: Elantra
car_color: Mauv
favorite_movie: Fatherland
pet: Opossum, american virginia
job_title: Payment Adjustment Coordinator
phone_number: (909) 9098659
stocks: CTT, ACWX, ADRE, OGE, HPS, ARAY, TELL,
Found in Linked List also
Select based in which key you wants to search:
```

Select based on email:

```
Select based in which key you wants to search:
0.Id
1.First Name
2.Last Name
3.Address
4.Email
5.City
6.State
7.Car
8.Phone number
9.GPS
10.Exit
Enter Your Choice:4
Choice is 4
Enter string to be searched from Data:acouth9
Visited 28 nodes in BST.
Compared 538 Nodes.
Completed search in BST in 1852 micro sec
Completed search in Linked List in 2500 micro sec
Found String acouth9 in Adel
Details of person are
id : 10
first_name : Adel
last_name : Couth
email: acouth9@gov.uk
address: 70 Jenna Road
city: Colorado Springs
state: CO
latitude: 38.8289
longitude: -104.527
car: GMC
car_model: Savana 3500
car_color: Purple
favorite_movie: Paternity
pet: Black bear
job_title: Cost Accountant
phone_number: (719) 5222525
stocks: ACHN, HUBS, MARK, BPFHP, CARV, UPL, FMCIR,
Found in Linked List also
Select based in which key you wants to search:
```

Select based on city:

```
Select based in which key you wants to search:
0.Id
1.First Name
2.Last Name
3.Address
4.Email
5.City
6.State
7.Car
8.Phone number
9.GPS
10.Exit
Enter Your Choice:5
Choice is 5
Enter string to be searched from Data:Colorado
Visited 44 nodes in BST.
Compared 77 Nodes.
Completed search in BST in 1892 micro sec
Completed search in Linked List in 1008 micro sec
Found String colorado in Durant
Details of person are
id : 174
first_name : Durant
last_name : Longo
email: dlongo4t@marriott.com
address: 940 Sycamore Plaza
city: Colorado Springs
state: CO
latitude: 38.8881
longitude: -104.656
car: Dodge
car_model: Avenger
car_color: Crimson
favorite_movie: Sex and the City 2
pet: Dog, bush
job_title: Budget/Accounting Analyst II
phone_number: (719) 5087775
stocks: PUK^A, ABTL, CBB^B, QTEC, AGZD, AJXA, AGO,
Found in Linked List also
Select based in which key you wants to search:
```


Select based on state:

```
Select based in which key you wants to search:
0.Id
1.First Name
2.Last Name
3.Address
4.Email
5.City
6.State
7.Car
8.Phone number
9.GPS
10.Exit
Enter Your Choice:6
Choice is 6
Enter string to be searched from Data:CO
Visited 54 nodes in BST.
Compared 1 Nodes.
Completed search in BST in 1609 micro sec
Completed search in Linked List in 670 micro sec
Found String co in Quintina
Details of person are
id : 650
first_name : Quintina
last_name : Pearmine
email: qpearmineil@seesaa.net
address: 6953 Golden Leaf Avenue
city: Grand Junction
state: CO
latitude: 39.1071
longitude: -108.597
car: Ford
car_model: F450
car_color: Puce
favorite_movie: Eyes of an Angel
pet: Rock dove
job_title: Speech Pathologist
phone_number: (970) 1157107
stocks: WTS, NXJ, CYAD, XOMA, BIOL, CARB, GFY,
Found in Linked List also
Select based in which key you wants to search:
```

Select based on car:

```
Select based in which key you wants to search:
0.Id
1.First Name
2.Last Name
3.Address
4.Email
5.City
6.State
7.Car
8.Phone number
9.GPS
10.Exit
Enter Your Choice:7
Choice is 7
Enter string to be searched from Data:CHEVROLET
Visited 64 nodes in BST.
Compared 2 Nodes.
Completed search in BST in 1571 micro sec
Completed search in Linked List in 685 micro sec
Found String chevrolet in Vita
Details of person are
id : 864
first_name : Vita
last_name : Pee
email: vpeenz@gravatar.com
address: 345 Tennessee Way
city: Toledo
state: OH
latitude: 41.6538
longitude: -83.6589
car: Chevrolet
car_model: Express 1500
car_color: Indigo
favorite_movie: NH
pet: African elephant
job_title: Nuclear Power Engineer
phone_number: (419) 9445524
stocks: WRD, DVD, DATA, MATR, BIOL, NIM, KREF,
Found in Linked List also
Select based in which key you wants to search:
```

Search based on phone number:

```
Select based in which key you wants to search:
0.Id
1.First Name
2.Last Name
3.Address
4.Email
5.City
6.State
7.Car
8.Phone number
9.GPS
10.Exit
Enter Your Choice:8
Choice is 8
Enter string to be searched from Data:(713
Visited 78 nodes in BST.
Compared 52 Nodes.
Completed search in BST in 1526 micro sec
Completed search in Linked List in 1119 micro sec
Found String (713 in Marrissa
Details of person are
id : 314
first_name : Marrissa
last_name : Spurgin
email: mspurgin8p@blogs.com
address: 8 Vahlen Pass
city: Houston
state: TX
latitude: 29.7629
longitude: -95.3629
car: Nissan
car_model: Rogue
car_color: Turquoise
favorite_movie: First Sunday
pet: Gambel's quail
job_title: Recruiting Manager
phone_number: (713) 5845914
stocks: BZH, OB, GLBL, JASO, TISI, JNCE, HEP,
Found in Linked List also
Select based in which key you wants to search:
```

Search based on GPS:

```
Select based in which key you wants to search:
0.Id
1.First Name
2.Last Name
3.Address
4.Email
5.City
6.State
7.Car
8.Phone number
9.GPS
10.Exit
Enter Your Choice:9
Choice is 9
Enter latitude to be searched from Data:35.4312
Enter longitude to be searched from Data:-97.4913
Visited 34 nodes in BST.
Compared 921 Nodes.
Completed search in BST in 1994 micro sec
Completed search in Linked List in 868 micro sec
Found String (713 in Ronny
Details of person are
id : 14
first_name : Ronny
last_name : Chatenier
email: rchatenierd@omniture.com
address: 62889 Crest Line Way
city: Oklahoma City
state: OK
latitude: 35.4312
longitude: -97.4913
car: Pontiac
car_model: Tempest
car_color: Purple
favorite_movie: Music From Another Room
pet: Alligator, american
job_title: Analog Circuit Design manager
phone_number: (405) 5842110
stocks: PUK^A, LRGE, FORR, NWE, BLVDW, TMHC, SUPN,
Found in Linked List also
```