

Output of implementing Symbol table

1.By using Hash table

a)Display

```
input
Press 1 to enter code
Press 2 to display table
Press 3 to search in table
Press 4 to exit
Enter your choice2
SRNO          ID          type          data_struct          scope
1580          lehar        void          function             global
1561          jheel        struct        structure             global
667           arr          int           array                lehar
1049          call         void          function             jheel
Press 1 to enter code
Press 2 to display table
Press 3 to search in table
Press 4 to exit
Enter your choice
```

b)Insert

```
Press 1 to enter code
Press 2 to display table
Press 3 to search in table
Press 4 to exit
Enter your choice1
Enter line to insertchar letter
```

```
Press 1 to enter code
Press 2 to display table
Press 3 to search in table
Press 4 to exit
Enter your choice2
SRNO          ID          type          data_struct          scope
1580          lehar        void          function             global
1561          jheel        struct        structure             global
242           letter       char          variable             call
667           arr          int           array                lehar
1049          call         void          function             jheel
676           sum          float         variable             call
```

c)Search

```
Press 1 to enter code
Press 2 to display table
Press 3 to search in table
Press 4 to exit
Enter your choice3
```

```
Enter word to findcall
```

SRNO	ID	type	data_struct	scope
1049	call	void	function	jheel

2)By using linked list

a)Insert

```
Press 1 to enter code
Press 2 to display table
Press 3 to search in table
Press 4 to exit
Enter your choice1
Enter line to insertchar alpha[]
```

b)Display

```
Press 1 to enter code
Press 2 to display table
Press 3 to search in table
Press 4 to exit
Enter your choice2
```

SRNO	ID	type	data_struct	scope
1550	alpha	char	array	global
112	p	char	pointer	func
1062	func	void	function	jheel
98	b	int	variable	jheel
97	a	int	variable	jheel
1561	jheel	struct	structure	arr
286	2.0	return	variable	lehar
1580	lehar	float	function	arr
667	arr	int	function	global

c)Search

```
Press 1 to enter code
Press 2 to display table
Press 3 to search in table
Press 4 to exit
Enter your choice3
```

```
Enter word to findalpha
```

SRNO	ID	type	data_struct	scope
1550	alpha	char	array	global