

18BECE30558
TITHI PATEL

PRACTICAL-12

Program : Study of dynamic database in PROLOG.

Predicates

reading

writing

delete

find(integ

er)

startup(integer)

Database

unsortedDatabase(string,inte

ger)sortedDatabase(string)

clauses

startup(0).

startup(Nu

m):

write("Enter String = "),

readln(Name),

str_len(Name,Len),

asserta(unsortedDatabase(Name,L

en)),TempNum = Num 1,

startup(TempNum).

writing:

sortedDatabase(Name),

write(Name),nl,

fail.

writin

g.

find(Index):

unsortedDatabase(Name,Index),

assertz(sortedDatabase(Name)),

retract(unsortedDatabase(Name,Index

)),find(Index).

find(Index):

```
Index =
255.
find(Index
):
TempIndex = Index
+ 1,
find(TempIndex).
```

```
reading:
NumRead =
10,
startup(NumRea
d).delete :
retract(sortedDatabase(_)),
fail.
delete
.
```

```
Goal
Clearwindo
w,
makewindow(1,2,3,"String Operations",0,0,25,80),
reading,!,
find(1),
write("\nString In Increasing Order Of Their Length Are :
\n"),writing,
delete.
```

OUTPUT:

```
Enter String =
Mitesh Enter String
= Kesha Enter
String = Zunobia
Enter String = Slina
Enter String =
Salna Enter String
= Anukul Enter
String = Payal
```

Enter String =

ShwetambariEnter String

= rahul

Enter String = raj

String In Increasing Order Of Their

Length Are :raj

Slna

rahul

Payal

Salna

Kesha

Anuku

l

Mitesh

Zunobi

a

Shwetambari