SHORTEST JOB FIRST(SJF) SCHELDULING.

AIM:

PROGRAM TO IMPLEMENT SHORTEST JOB FIRST SCHELDULING USING C LANGUAGE.

This is an approach which considers the next CPU burst. Each process posses its next CPU burst.

When CPU is available, the process having the smallest next CPU burst is allocated CPU.

Now it may happen that two or more processes have the same next CPU burst. Then which process to allocate will be decided as per FCFS scheduling.

ALGORITHM:

1. Sort all the process according to the arrival time.
2. Then select that process which has minimum arrival time and minimum Burst time.
3. After completion of process make a pool of process which after till the completion of previous process and select that process among the pool which is having minimum Burst time.

Table

Description automatically generated

PROGRAM:

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

RESULT:

Graphical user interface, table

Description automatically generated

RESULT:

SJF WAS SUCCSSFULLY IMPLEMENT USING C LANGUAGE.