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| --- | --- | --- |
| 1 | a)Profile for optimal merge  b)Assume k unsorted files, obtain the merged sorted files. | Nandini  Abhilash |
| 2 | a)Store n files( assuming total length of n files= total length of all files) L>=l1+l2+l3+……….ln.  b) In addition to length of file, frequency of retrieval is also given( length fa=100,fb=30,fc=30)  c) When length of file are available, ( l1+l2+l3+……….ln)>L( not enough) can’t be loaded in one tape so load a files into 2 tapes.  d) In addition to length of files, frequency of retrieval is also given; some of the files could be retrieved once in a day. | Prajwala  Shushma |
| 3 | a) Knap sack problem on  1) profit wise strategy  2) Space conserving strategy  3) Profit to weight ratio (pi/wi) | Ashwini  Deepika |
| 4 | Find the solution for transportation problem(North west corner root) | murali |
| 5 | Job sequence problem | Anusha  Nimisha |
| 6 | Single source shortest path problem | Roopa  Shashirekha |
| 7 | a)Find the shortest path between any two places  b)Find the shortest path between all the places | Roshni  Anjan |
| 8 | Single destination shortest path problem | Nageshwari |
| 9 | A check is presented for x rupees, the bank should deduct the minimum of y rupees (Y<X), (X-Y) rupees have got to be paid to be in cash, suggest a greedy algorithm to receive this cash using minimum number of currency tokens. | Navya  Amruth |

**CYCLE 13:**

**METHOD: GREEDY STRATEGY**