**Group #**: 66

Group Members Names: Amay Gada, Tahreem Yasir, Shazia Muckram

GitHub Link: https://github.com/SAT510/HW4.git

## task1.sh

```
  @shaziamuckram → /workspaces/HW4 (main) $ ./hw4/infinite.sh
  @shaziamuckram → /workspaces/HW4 (main) $ ps aux | grep infinite.sh
  codespa+ 9839 15.9 0.0 8628 1448 pts/2 $ 20:14 0:02 /bin/bash ./hw4/infinite.sh
  codespa+ 26042 0.0 0.0 8180 2176 pts/2 $+ 20:15 0:00 grep --color=auto infinite.sh
  @shaziamuckram → /workspaces/HW4 (main) $ ./task1.sh
  @shaziamuckram → /workspaces/HW4 (main) $ ps aux | grep infinite.sh
  codespa+ 34254 0.0 0.0 8180 2304 pts/2 $+ 20:15 0:00 grep --color=auto infinite.sh
  @shaziamuckram → /workspaces/HW4 (main) $ #
```

## task2.sh

```
### Oshaziamuckram → /workspaces/HW4/hw4 (main) $ ./task3.sh
16,1,2,"Hewlett, Mrs. (Mary D Kingcome) ",F,55,0,0,248706,16,,5
18,1,2,"Williams, Mr. Charles Eugene", M,,0,0,244373,13,,5
21,0,2,"Fynney, Mr. Joseph J'M,35,0,0,23905,26,,5
22,1,2,"Beesley, Mr. Lawrence", M,34,0,0,248608,13,D56,5
34,0,2,"Wheadon, Mr. Edward M",M,66,0,0,C.A. 24579,10.5,,5
42,0,2,"Turpin, Mrs. William John Robert (Dorothy Ann Wonnacott)",F,27,1,0,11668,21,,5
57,1,2,"Rugg, Miss. Emily",F,21,0,0,C.A. 31026,10.5,,5
57,1,2,"Rugg, Miss. Emily",F,21,0,0,C.A. 31026,10.5,,5
57,1,2,"West, Miss. Constance Mirium",F,51,2,C.A. 34651,27,75,,5
67,1,2,"Nye, Mrs. (Elizabeth Ramell)",F,29,0,0,C.A. 3311,10.5,,5
57,1,2,"Rugd, Mrs. Stephen Currow," M,32,0,0,C.A. 3311,10.5,,5
71,0,2,"Jenkin, Mr. Stephen Currow," M,32,0,0,C.A. 3311,10.5,,5
79,1,2,"Caldwell, Master. Alden Gates", M,0.83,0,2,248738,29,,5
85,1,2,"Ilett, Miss. Bertha",F,70,0,500(C) 14885,165,5,
99,1,2,"Doling, Mrs. John T (Ada Julia Bone)",F,34,0,1,231919,23,,5
100,0,2,"Kantor, Mr. Sinail",M,34,1,0,244367,26,,5
118,0,2,"Turpin, Mr. Sinail",M,34,1,0,244367,26,,5
118,0,2,"Turpin, Mr. Sinail",M,34,1,0,244367,26,,5
118,0,2,"Turpin, Mr. Sinail",M,34,1,0,244367,26,,5
118,0,2,"Hickman, Mr. Stanley George",M,21,2,0,5.0.C. 14879,73.5,,5
124,1,2,"Webser, Mrs. Leopold (Mathilde Francoise Pede)",F,29,1,0,228414,26,,5
135,0,2,"Sobey, Mr. Samuel James Hayden",M,25,0,0,C.A. 29178,13,,5
146,0,2,"Martoti, Mr. Lioseph Charles",M,19,1,1,C.A. 33112,36.75,,5
146,0,2,"Martoti, Mr. Mischel (""Louis M Hoffmant")",M,36,5,0,2,230680,26,F2,5
150,0,2,"Bateman, Rev. Robert James",M,51,0,0,23063,11,5,
184,1,2,"Watt, Mrs. James (Elizabeth ""Besssie" Inglis Mine!",F,40,0,0,C.A. 33595,15.75,,5
194,1,2,"Watt, Mrs. James (Elizabeth ""Besssie" Inglis Mine!",F,40,0,0,C.A. 33595,15.75,,5
194,1,2,"Watt, Mrs. Lengold (Mathilde Francoise Pede)",F,29,1,0,248474,13,,5
194,1,2,"Watt, Mrs. Hans Kristensen",M,30,0,230663,13,,5
194,1,2,"Watt, Mrs. Hans Kristensen",M,30,0,0,230663,13,,5
194,1,2,"Watt, Mrs. Hans Kristensen",M,30,0,0,230663,13
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238,1,2,"Collyer, Miss. Marjorie ""Lottie"",F,8,0,2,C.A. 31921,26.25,,S
239,0,2,"Pengelly, Mr. Frederick William",M,19,0,0,28665,10.5,,S
240,0,2,"Hunt, Mr. George Henry",M,33,0,0,SCO/W 1585,12.275,,S
243,0,2,"Coleridge, Mr. Reginald Charles",M,29,0,0,W./C. 14263,10.5,,S
248,1,2,"Hamalainen, Mrs. William (Anna)",F,24,0,2,250649,14.5,,S
250,0,2,"Carter, Rev. Ernest Courtenay",M,54,1,0,244252,26,,S
260,1,2,"Parrish, Mrs. (Lutie Davis)",F,50,0,1,230433,26,,S
266,0,2,"Reeves, Mr. David",M,36,0,0,C.A. 17248,10.5,,S
273,1,2,"Mellinger, Mrs. (Elizabeth Anne Maidment)",F,41,0,1,250644,19.5,,S
278,0,2,"Parkes, Mr. Francis ""Frank"",M,0,0,239853,0,,S
289,1,2,"Hosono, Mr. Masabumi",M,42,0,0,237798,13,,S
313,0,2,"Lahtinen, Mrs. William (Anna Sylfven)",F,26,1,1,250651,26,,S
315,0,2,"Hart, Mr. Benjamin",M,43,1,1,F.C.C. 13529,26.25,,S
317,1,2,"Kantor, Mrs. Sinai (Miriam Sternin)",F,24,1,0,244367,26,,S
318,0,2,"Moraweck, Dr. Ernest",M,54,0,0,29011,14,,S
324,1,2,"Caldwell, Mrs. Albert Francis (Sylvia Mae Harbaugh)",F,22,1,1,248738,29,,S
328,1,2,"Ball, Mrs. (Ada E Hall)",F,36,0,0,28551,13,D,S
341,1,2,"Navratil, Master. Edmond Roger",M,2,1,1,230080,26,F2,S
343,0,2,"Collander, Mr. Erik Gustaf",M,28,0,0,248740,13,,S
344,0,2,"Sedgwick, Mr. Charles Frederick Waddington",M,25,0,0,244361,13,,S
344,0,2,"Sedgwick, Mr. Charles Frederick Waddington",M,25,0,0,244361,13,,S
341,1,2,"Navratil, Master. Edmond Roger", M,2,1,1,230080,26,F2,S
343,0,2,"Collander, Mr. Erik Gustaf", M,28,0,0,248740,13,,S
344,0,2,"Sedgwick, Mr. Charles Frederick Waddington", M,25,0,0,244361,13,,S
345,0,2,"Fox, Mr. Stanley Hubert", M,36,0,0,229236,13,,S
346,1,2,"Brown, Miss. Amelia ""Mildred"", F,24,0,0,248733,13,F33,S
347,1,2,"Smith, Miss. Marion Elsie", F,40,0,0,31418,13,,S
358,0,2,"Funk, Miss. Annie Clemmer", F,38,0,0,237671,13,,S
386,0,2,"Bavies, Mr. Charles Henry", M,18,0,0,S.O.C. 14879,73.5,S
388,1,2,"Buss, Miss. Kate", F,36,0,0,27849,13,,S
398,0,2,"McKane, Mr. Peter David", M,46,0,0,28403,26,,S
399,0,2,"Pain, Dr. Alfred", M,23,0,0,244278,10.5,,S
400,1,2,"Trout, Mrs. William H (Jessie L)", F,28,0,0,240929,12.65,,S
406,0,2,"Gale, Mr. Shadrach", M,34,1,0,28664,21,,S
408,1,2,"Richards, Master. William Rowe", M,3,1,1,29106,18.75,,S
414,0,2,"Cunningham, Mr. Alfred Fleming", M,,0,0,239853,0,,S
417,1,2,"Drew, Mrs. James Vivian (Lulu Thorne Christian)", F,34,1,1,28220,32.5,,S
418,1,2,"Silven, Miss. Lyyli Karoliina", F,18,0,2,250652,13,,S
419,0,2,"Watthews, Mr. William John", M,30,0,0,28228,13,,S
427,1,2,"Clarke, Mrs. Charles V (Ada Maria Winfield)", F,24,1,0,2003,26,,S
428,1,2,"Phillips, Miss. Kate Florence (""Mrs Kate Louise Phillips Marshall"")", F,19,0,0,250655,26,,S
438,1,2,"Richards, Mrs. Sidney (Emily Hocking)", F,24,2,3,29106,18.75,,S
441,1,2,"Hart, Mrs. Benjamin (Esther Ada Bloomfield)", F,42,1,0,SC/AH 3085,26,,S
444,1,2,"Reynaldo, Ms. Encarnacion", F,28,0,0,230434,13,,S
447,1,2,"Wellinger, Miss. Madeleine Violet", F,13,0,1,250644,19.5,,S
451,0,2,"West. Mr. Edwy Arthur", M.36,1,2,C.A. 34651,27,75..S
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459,1,2,"Toomey, Miss. Ellen",F,50,0,0,F,C.C. 13531,10.5,,5
464,0,2,"Malling, Mr. Jacob Christian",M,48,0,234360,13,,5
467,0,2,"Campbell, Mr. William",M,0,0,239853,0,5
473,1,2,"West, Mrs. Edwy Arthur (Ada Mary Worth)",F,33,1,2,C.A. 34651,27.75,,5
477,0,2,"Renouf, Mr. Peter Henry",M,34,1,0,31027,21,5
507,1,2,"Quick, Mrs. Frederick Charles (Jane Richards)",F,33,0,2,26360,26,,5
507,1,2,"Lemore, Mrs. (Amelia Milley)",F,34,0,0,C.A. 34260,10.5,F33,5
519,1,2,"Lemore, Mrs. (Amelia Milley)",F,34,0,0,C.A. 34260,10.5,F33,5
519,1,2,"Raidsdle, Miss. Lucy",F,50,0,0,W.C. 14258,10.5,5
530,0,2,"Ridsdale, Miss. Lucy",F,50,0,0,W.C. 14258,10.5,5
530,0,2,"Ridsdale, Miss. Lucy",F,50,0,0,W.C. 14258,10.5,5
531,1,2,"Quick, Miss. Phyllis May",F,2,1,1,26360,26,,5
531,1,2,"Quick, Miss. Phyllis May",F,2,1,1,26360,26,,5
534,1,2,"Beane, Mrs. Edward",M,32,1,0,2908,26,,5
544,1,2,"Beane, Mrs. Edward",M,32,1,0,2908,26,,5
550,1,2,"Davies, Master. John Morgan Jr",M,8,1,1,C.A. 33112,36.75,,5
552,0,2,"Sharp, Mr. Percival James R",M,27,0,0,244389,13,5,5
557,1,2,"Garside, Miss. Ethel",F,34,0,0,243880,13,5
551,1,2,"Garside, Miss. Ethel",F,34,0,0,243880,13,5
581,2,2,"Christy, Miss. Julie Rachel",F,25,1,1227789,30,,5
587,1,2,"Larris, Mr. John Denzil",M,47,0,0,237565,15,5
597,1,2,"Lackobonh, Mrs. Sidney Samuel (Amy France Christy)",F,24,2,1,243847,27,,5
610,1,2,"Jarvis, Mr. John Denzil",M,47,0,0,237565,15,5
630,1,2,"Davis, Mr. John Denzil",M,47,0,0,237565,15,5
650,0,2,"Herman, Miss. Alice",F,24,1,2,220845,65,5
650,0,2,"Gavey, Mr. Lawrence",M,26,0,0,31028,10.5,5
650,0,2,"Hickman, Mrs. Sidney Samuel (Amy France Christy)",F,24,2,1,243847,27,,5
650,0,2,"Hickman, Mrs. Lawrence",M,26,0,0,31028,10.5,5
650,0,2,"Hickman, Mr. Leonard Mark",M,24,0,0,237666,13,5
650,0,2,"Hickman, Mr. Leonard Mark",M,24,0,0,237666,13,5
660,0,2,"Mitchell, Mr. Henry Michael",M,70,0,0,CA. 24580,10.5,5
674,1,2,"Milhelms, Mr. Charles",M,31,0,0,244870,13,5
675,0,2,"Mitchell, Mr. Henry Michael",M,70,0,0,CA. 24580,10.5,5,5
676,0,2,"Mitchell, Mr. Fenis Hastings",M,0,0,239656,0,5
685,0,2,"Brown
         696,0,2,"Chapman, Mr. Charles Henry",M,52,0,0,248731,13.5,,S
706,0,2,"Morley, Mr. Henry Samuel (""Mr Henry Marshall"")",M,39,0,0,250655,26,,S
           707,1,2, "Kelly, Mrs. Florence ""Fannie"", F, 45,0,0,223596,13.5,,S
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715,0,2,"Greenberg, Mr. Samuel",M,52,0,0,250647,13,,S
718,1,2,"Troutt, Miss. Edwina Celia ""Winnie"",F,27,0,0,34218,10.5,E101,S
721,1,2,"Harper, Miss. Annie Jessie ""Winnie"",F,6,0,1,248727,33,,S
723,0,2,"Gillespie, Mr. William Henry",M,34,0,0,12233,13,,S
724,0,2,"Hodges, Mr. Henry Price",M,50,0,0,250643,13,,S
727,1,2,"Renouf, Mrs. Peter Henry (Lillian Jefferys)",F,30,3,0,31027,21,,S
729,0,2,"Bryhl, Mr. Kurt Arnold Gottfrid",M,25,1,0,236853,26,,S
733,0,2,"Knight, Mr. Robert J",M,0,0,239855,0,S
734,0,2,"Berriman, Mr. William John",M,23,0,0,28425,13,,S
735,0,2,"Troupiansky, Mrr. Moses Aaron",M,23,0,0,23839,13,,S
748,1,2,"Sinkkonen, Miss. Anna",F,30,0,0,250648,13,,S
751,1,2,"Wells, Miss. Joan",F,4,1,1,29103,23,,S
755,1,2,"Herman, Mrs. Samuel (Jane Laver)",F,48,1,2,220845,65,,S
756,1,2,"Hamalainen, Master. Viljo",M,0.67,1,1,250649,14.5,,S
773,0,2,"Mack, Mrs. (Mary)",F,57,0,0,5.0./P,P. 3,10.5,E77,S
773,0,2,"Mack, Mrs. (Mary)",F,57,0,0,5.0./P,P. 3,10.5,E77,S
775,1,2,"Hocking, Mrs. Elizabeth (Eliza Needs)",F,54,1,3,29105,23,,S
792,0,2,"Gaskell, Mr. Alfred",M,16,0,0,239865,26,,S
796,0,2,"Otter, Mr. Richard",M,39,0,0,281213,13,,S
801,0,2,"Ponesell, Mr. Martin",M,34,0,0,250647,13,,S
802,1,2,"Collyer, Mrs. Harvey (Charlotte Annie Tate)",F,31,1,1,C.A. 31921,26.25,,S
899,0,2,"Meyer, Mr. August",M,39,0,0,248723,13,,S
813,0,2,"Slemen, Mr. Richard James",M,35,0,0,2806,10.5,,S
822,1,2,"Richards, Master. George Sibley",M,0.83,1,1,29106,18.75,,S
849,0,2,"Harper, Rev. John",M,28,0,1,248727,33,,S
855,0,2,"Gaile, Mr. Thomas Charles",M,16,0,0,230866,13,,S
866,1,2,"Bystrom, Mrs. (Karolina)",F,42,0,0,230862,13,,S
866,1,2,"Bystrom, Mrs. (Karolina)",F,42,0,0,230862,13,,S
881,1,2,"Shelley, Mrs. William (Imanita Parrish Hall)",F,25,0,1,230433,26,,S
884,0,2,"Banfield, Mr. Frederick James",M,28,0,0,C.A./SOTON 34068,10.5,,S
887,0,2,"Montvila, Rev. Juozas",M,27,0,0,211536,13,,S
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