Programming Project

CS431.01 – DR. YOUNG

JOSHUA J. CAMACHO

```
testdata1.txt
------------------------
First Come First Serve
[Job101]0--------9 [Job102]9-----14 [Job103]14------------27 [Job104]27--------35 [Job105]35---38 [Job106]38-------45
(continued)=>
Ave Processing time = 7.5
Ave Turnaround time = 28.0
Average Waiting Time = 20.5
------------------------


------------------------
ShortestJobFirst
[Job105]0---3 [Job102]3-----8 [Job106]8-------15 [Job104]15--------23 [Job101]23---------32 [Job103]32------------45
(continued)=>
Ave Processing time = 7.5
Ave Turnaround time = 21.0
Average Waiting Time = 13.5
------------------------


------------------------
Round Robin with time slice = 2
[Job101]0--2 [Job102]2--4 [Job103]4--6 [Job104]6--8 [Job105]8--10 [Job106]10--12 [Job101]12--14 [Job102]14--16
(continued)=> [Job103]16--18 [Job104]18--20 [Job105]20-21 [Job106]21--23 [Job101]23--25 [Job102]25-26 [Job103]26--28
(continued)=> [Job104]28--30 [Job106]30--32 [Job101]32--34 [Job103]34--36 [Job104]36--38 [Job106]38-39
(continued)=> [Job101]39-40 [Job103]40--42 [Job103]42--44 [Job103]44-45
Ave Processing time = 7.5
Ave Turnaround time = 34.833332
Average Waiting Time = 27.333332
------------------------


------------------------
Round Robin with time slice = 5
[Job101]0-----5 [Job102]5-----10 [Job103]10-----15 [Job104]15-----20 [Job105]20---23 [Job106]23-----28
(continued)=> [Job101]28----32 [Job103]32-----37 [Job104]37---40 [Job106]40--42 [Job103]42---45
Ave Processing time = 7.5
Ave Turnaround time = 32.0
Average Waiting Time = 24.5
------------------------
```

```
testdata2.txt
------------------------
First Come First Serve
[Job201]0-----------11 [Job202]11----15 [Job203]15-----20 [Job204]20-------------33 [Job205]33--------41
(continued)=> [Job206]41-42 [Job207]42------48 [Job208]48---------------63 [Job209]63-------70 [Job210]70----------------------93
(continued)=> [Job211]93------------105 [Job212]105---------114
Ave Processing time = 9.5
Ave Turnaround time = 54.583332
Average Waiting Time = 45.083332
------------------------


------------------------
ShortestJobFirst
[Job206]0-1 [Job202]1----5 [Job203]5-----10 [Job207]10------16 [Job209]16-------23 [Job205]23--------31
(continued)=> [Job212]31---------40 [Job201]40-----------51 [Job211]51------------63 [Job204]63-------------76
(continued)=> [Job208]76---------------91 [Job210]91----------------------114
Ave Processing time = 9.5
Ave Turnaround time = 43.416668
Average Waiting Time = 33.916668
------------------------


------------------------
Round Robin with time slice = 2
[Job201]0--2 [Job202]2--4 [Job203]4--6 [Job204]6--8 [Job205]8--10 [Job206]10-11 [Job207]11--13 [Job208]13--15
(continued)=> [Job209]15--17 [Job210]17--19 [Job211]19--21 [Job212]21--23 [Job201]23--25 [Job202]25--27 [Job203]27--29
(continued)=> [Job204]29--31 [Job205]31--33 [Job207]33--35 [Job208]35--37 [Job209]37--39 [Job210]39--41
(continued)=> [Job211]41--43 [Job212]43--45 [Job201]45--47 [Job203]47-48 [Job204]48--50 [Job205]50--52 [Job207]52--54
(continued)=> [Job208]54--56 [Job209]56--58 [Job210]58--60 [Job211]60--62 [Job212]62--64 [Job201]64--66 [Job204]66--68
(continued)=> [Job205]68--70 [Job208]70--72 [Job209]72-73 [Job210]73--75 [Job211]75--77 [Job212]77--79
(continued)=> [Job201]79--81 [Job204]81--83 [Job208]83--85 [Job210]85--87 [Job211]87--89 [Job212]89-90 [Job201]90-91
(continued)=> [Job204]91--93 [Job208]93--95 [Job210]95--97 [Job211]97--99 [Job204]99-100 [Job208]100--102 [Job210]102--104
(continued)=> [Job208]104-105 [Job210]105--107 [Job210]107--109 [Job210]109--111 [Job210]111--113 [Job210]113-114
(continued)=>
Ave Processing time = 9.5
Ave Turnaround time = 73.5
Average Waiting Time = 64.0
------------------------


------------------------
Round Robin with time slice = 5
[Job201]0-----5 [Job202]5----9 [Job203]9-----14 [Job204]14-----19 [Job205]19-----24 [Job206]24-25 [Job207]25-----30
(continued)=> [Job208]30-----35 [Job209]35-----40 [Job210]40-----45 [Job211]45-----50 [Job212]50-----55
(continued)=> [Job201]55-----60 [Job204]60-----65 [Job205]65---68 [Job207]68-69 [Job208]69-----74 [Job209]74--76
(continued)=> [Job210]76-----81 [Job211]81-----86 [Job212]86----90 [Job201]90-91 [Job204]91---94 [Job208]94-----99
(continued)=> [Job210]99-----104 [Job211]104--106 [Job210]106-----111 [Job210]111---114
Ave Processing time = 9.5
Ave Turnaround time = 71.25
Average Waiting Time = 61.75
------------------------
```

```
testdata3.txt
-----------------------
First Come First Serve
[Job301]0---------------15 [Job302]15-----20 [Job303]20---------------------------------55 [Job304]55-56
(continued)=> [Job305]56----60 [Job306]60-----65 [Job307]65--67 [Job308]67-------75 [Job309]75------------88
(continued)=> [Job310]88-------------------108 [Job311]108---------------124 [Job312]124--------133 [Job313]133-------140
(continued)=> [Job314]140--------------154 [Job315]154-----------------171 [Job316]171-----------182
(continued)=> [Job317]182------------194 [Job318]194---------------209 [Job319]209-------------------228 [Job320]228--------------------------257
(continued)=>
Ave Processing time = 12.85
Ave Turnaround time = 120.05
Average Waiting Time = 107.200005
-------------------------


-----------------------
ShortestJobFirst
[Job304]0-1 [Job307]1--3 [Job305]3----7 [Job302]7-----12 [Job306]12-----17 [Job313]17-------24 [Job308]24--------32
(continued)=> [Job312]32---------41 [Job316]41-----------52 [Job317]52-----------64 [Job309]64-------------77
(continued)=> [Job314]77--------------91 [Job301]91---------------106 [Job318]106--------------121 [Job311]121----------------137
(continued)=> [Job315]137-----------------154 [Job319]154------------------173 [Job310]173-------------------193
(continued)=> [Job320]193--------------------------222 [Job303]222--------------------------------257
(continued)=>
Ave Processing time = 12.85
Ave Turnaround time = 89.2
Average Waiting Time = 76.35
-------------------------



-------------------------
Round Robin with time slice = 2
[Job301]0--2 [Job302]2--4 [Job303]4--6 [Job304]6-7 [Job305]7--9 [Job306]9--11 [Job307]11--13 [Job308]13--15
(continued)=> [Job309]15--17 [Job310]17--19 [Job311]19--21 [Job312]21--23 [Job313]23--25 [Job314]25--27 [Job315]27--29
(continued)=> [Job316]29--31 [Job317]31--33 [Job318]33--35 [Job319]35--37 [Job320]37--39 [Job301]39--41
(continued)=> [Job302]41--43 [Job303]43--45 [Job305]45--47 [Job306]47--49 [Job308]49--51 [Job309]51--53 [Job310]53--55
(continued)=> [Job311]55--57 [Job312]57--59 [Job313]59--61 [Job314]61--63 [Job315]63--65 [Job316]65--67 [Job317]67--69
(continued)=> [Job318]69--71 [Job319]71--73 [Job320]73--75 [Job301]75--77 [Job302]77-78 [Job303]78--80
(continued)=> [Job306]80-81 [Job308]81--83 [Job309]83--85 [Job310]85--87 [Job311]87--89 [Job312]89--91 [Job313]91--93
(continued)=> [Job314]93--95 [Job315]95--97 [Job316]97--99 [Job317]99--101 [Job318]101--103 [Job319]103--105
(continued)=> [Job320]105--107 [Job301]107--109 [Job303]109--111 [Job308]111--113 [Job309]113--115 [Job310]115--117
(continued)=> [Job311]117--119 [Job312]119--121 [Job313]121-122 [Job314]122--124 [Job315]124--126 [Job316]126--128
(continued)=> [Job317]128--130 [Job318]130--132 [Job319]132--134 [Job320]134--136 [Job301]136--138 [Job303]138--140
(continued)=> [Job309]140--142 [Job310]142--144 [Job311]144--146 [Job312]146-147 [Job314]147--149 [Job315]149--151
(continued)=> [Job316]151--153 [Job317]153--155 [Job318]155--157 [Job319]157--159 [Job320]159--161 [Job301]161--163
(continued)=> [Job303]163--165 [Job309]165--167 [Job310]167--169 [Job311]169--171 [Job314]171--173 [Job315]173--175
(continued)=> [Job316]175-176 [Job317]176--178 [Job318]178--180 [Job319]180--182 [Job320]182--184 [Job301]184--186
(continued)=> [Job303]186--188 [Job309]188-189 [Job310]189--191 [Job311]191--193 [Job314]193--195 [Job315]195--197
(continued)=> [Job318]197--199 [Job319]199--201 [Job320]201--203 [Job301]203-204 [Job303]204--206 [Job310]206--208
(continued)=> [Job311]208--210 [Job315]210--212 [Job318]212-213 [Job319]213--215 [Job320]215--217 [Job303]217--219
(continued)=> [Job310]219--221 [Job315]221-222 [Job319]222--224 [Job320]224--226 [Job303]226--228 [Job310]228--230
(continued)=> [Job319]230-231 [Job320]231--233 [Job303]233--235 [Job320]235--237 [Job303]237--239 [Job320]239--241
(continued)=> [Job303]241--243 [Job320]243--245 [Job303]245--247 [Job320]247--249 [Job303]249--251
(continued)=> [Job320]251-252 [Job303]252--254 [Job303]254--256 [Job303]256-257
Ave Processing time = 12.85
Ave Turnaround time = 158.25
Average Waiting Time = 145.4
-------------------------


-------------------------
Round Robin with time slice = 5
[Job301]0-----5 [Job302]5-----10 [Job303]10-----15 [Job304]15-16 [Job305]16----20 [Job306]20-----25 [Job307]25--27
(continued)=> [Job308]27-----32 [Job309]32-----37 [Job310]37-----42 [Job311]42-----47 [Job312]47-----52
(continued)=> [Job313]52-----57 [Job314]57-----62 [Job315]62-----67 [Job316]67-----72 [Job317]72-----77 [Job318]77-----82
(continued)=> [Job319]82-----87 [Job320]87-----92 [Job301]92-----97 [Job303]97-----102 [Job308]102---105
(continued)=> [Job309]105-----110 [Job310]110-----115 [Job311]115-----120 [Job312]120-----124 [Job313]124-----126 [Job314]126-----131
(continued)=> [Job315]131-----136 [Job316]136-----141 [Job317]141-----146 [Job318]146-----151 [Job319]151-----156
(continued)=> [Job320]156-----161 [Job301]161-----166 [Job303]166-----171 [Job309]171---174 [Job310]174-----179
(continued)=> [Job311]179-----184 [Job314]184----188 [Job315]188-----193 [Job316]193-194 [Job317]194--196
(continued)=> [Job318]196-----201 [Job319]201-----206 [Job320]206-----211 [Job303]211-----216 [Job310]216-----221
(continued)=> [Job311]221-222 [Job315]222--224 [Job319]224----228 [Job320]228-----233 [Job303]233-----238
(continued)=> [Job320]238-----243 [Job303]243-----248 [Job320]248----252 [Job303]252-----257
Ave Processing time = 12.85
Ave Turnaround time = 148.8
Average Waiting Time = 135.95
-------------------------
```