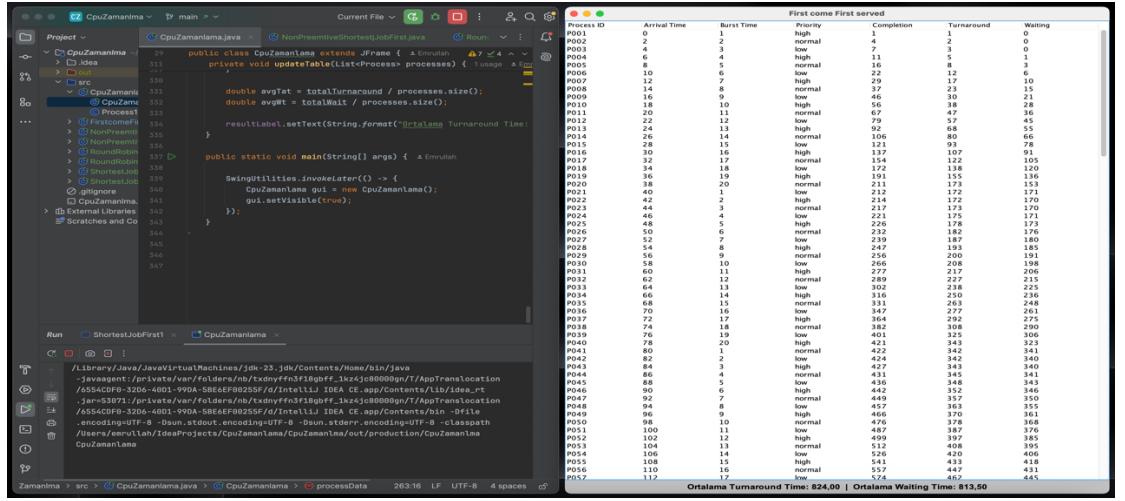


PROJE RAPORU

1. FIRST COME FIRST SERVED

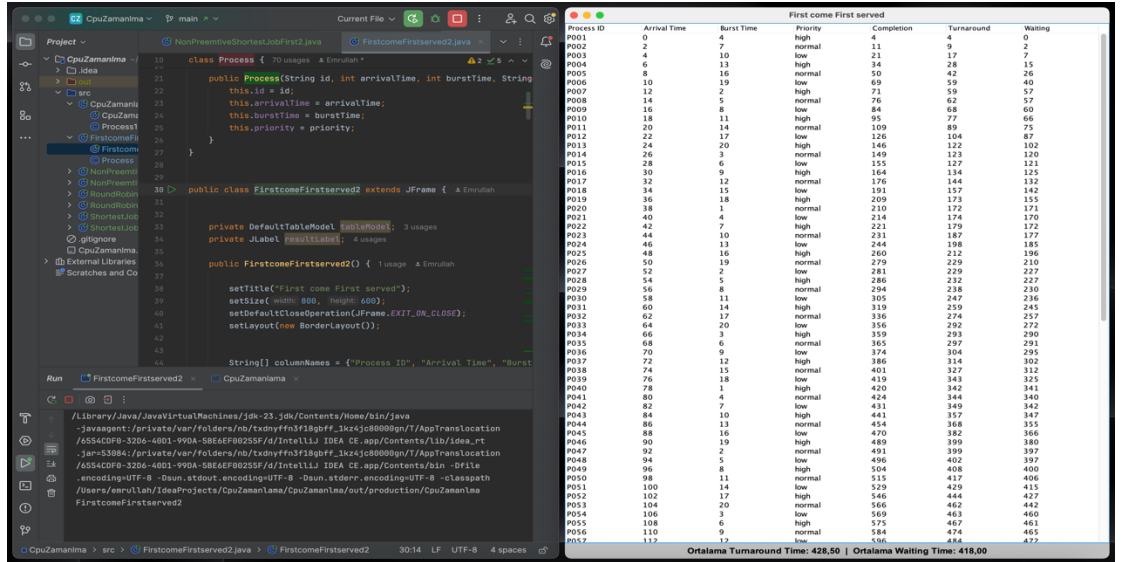
A. First come first served csv 1. Dosya Case 1



Process ID	Arrival Time	Burst Time	Priority	Completion	Turnaround	Waiting
P001	0	1	high	1	1	0
P002	2	2	normal	4	2	0
P003	4	1	low	5	1	0
P004	6	4	high	11	5	1
P005	8	6	normal	14	6	0
P006	10	6	low	22	12	6
P007	12	2	high	14	2	0
P008	14	8	low	27	13	15
P009	16	9	normal	46	30	21
P010	18	10	high	56	38	28
P011	20	11	low	67	47	26
P012	22	12	normal	79	57	35
P013	24	7	low	92	68	44
P014	26	14	normal	106	80	54
P015	28	13	high	121	93	65
P016	30	16	normal	137	107	77
P017	32	17	low	154	122	90
P018	34	18	high	172	138	104
P019	36	19	normal	191	155	119
P020	38	20	low	211	173	135
P021	40	5	normal	217	177	137
P022	42	2	high	214	172	130
P023	44	3	low	217	173	133
P024	46	4	low	217	171	131
P025	48	5	high	226	178	130
P026	50	6	normal	232	182	132
P027	52	7	low	239	187	135
P028	54	8	high	247	193	143
P029	56	9	normal	256	200	144
P030	58	10	low	266	208	150
P031	60	11	high	277	217	157
P032	62	12	normal	289	227	165
P033	64	13	low	302	238	174
P034	66	14	high	316	250	184
P035	68	15	normal	331	263	195
P036	70	16	low	347	277	207
P037	72	17	high	364	292	220
P038	74	18	normal	382	308	234
P039	76	19	low	401	325	249
P040	78	20	high	421	343	265
P041	80	1	normal	422	342	262
P042	82	2	low	424	342	264
P043	84	3	high	427	343	263
P044	86	4	normal	431	345	265
P045	88	5	low	436	348	260
P046	90	6	high	442	352	262
P047	92	7	normal	449	357	265
P048	94	8	low	457	363	269
P049	96	9	high	466	370	274
P050	98	10	normal	476	378	280
P051	100	11	low	487	377	277
P052	102	12	high	499	397	295
P053	104	13	normal	512	398	294
P054	106	14	low	526	420	314
P055	108	15	high	541	433	325
P056	110	16	normal	557	447	337
P057	112	17	low	574	462	350

Ortalama Turnaround Time: 824,00 | Ortalama Waiting Time: 813,50

B. First come first served csv 2. Dosya Case 2



Process ID	Arrival Time	Burst Time	Priority	Completion	Turnaround	Waiting
P001	0	4	high	4	4	0
P002	2	7	normal	11	9	2
P003	4	10	low	21	17	7
P004	6	13	high	19	13	0
P005	8	16	normal	50	42	26
P006	10	19	low	69	59	49
P007	12	2	high	14	2	0
P008	14	5	normal	19	5	0
P009	16	8	low	24	8	0
P010	18	11	high	29	11	0
P011	20	14	normal	34	14	0
P012	22	17	low	41	19	7
P013	24	20	high	44	20	0
P014	26	3	normal	29	3	0
P015	28	6	low	34	6	0
P016	30	9	high	39	9	0
P017	32	12	normal	44	12	0
P018	34	15	low	49	15	0
P019	36	18	high	54	18	0
P020	38	21	normal	59	21	0
P021	40	4	low	44	4	0
P022	42	7	high	49	7	0
P023	44	10	normal	54	10	0
P024	46	13	low	59	13	0
P025	48	16	high	64	16	0
P026	50	19	normal	69	19	0
P027	52	2	low	54	2	0
P028	54	5	high	59	5	0
P029	56	8	normal	64	8	0
P030	58	11	low	69	11	0
P031	60	14	high	74	14	0
P032	62	17	normal	79	17	0
P033	64	20	low	84	20	0
P034	66	3	high	69	3	0
P035	68	6	normal	74	6	0
P036	70	9	low	79	9	0
P037	72	12	high	84	12	0
P038	74	15	normal	89	15	0
P039	76	18	low	94	18	0
P040	78	1	high	79	1	0
P041	80	4	normal	84	4	0
P042	82	7	low	89	7	0
P043	84	10	high	94	10	0
P044	86	13	normal	99	13	0
P045	88	16	low	104	16	0
P046	90	19	high	109	19	0
P047	92	2	normal	94	2	0
P048	94	5	low	99	5	0
P049	96	8	high	104	8	0
P050	98	11	normal	109	11	0
P051	100	14	low	114	14	0
P052	102	17	high	119	17	0
P053	104	20	normal	124	20	0
P054	106	3	low	110	4	0
P055	108	6	high	116	8	0
P056	110	9	normal	121	11	0
P057	112	12	low	124	12	0

Ortalama Turnaround Time: 428,50 | Ortalama Waiting Time: 418,00

1. FIRST COME FIRST SERVED

- * Çıktısı başarılıdır
- *Girilen data bilgileri algoritmada eksiksiz ve hatasız çalışmıştır
- * Anlaşırılığı basit ve sistemi yormamaktadır
- * İlk gelen çalışır algoritmasıdır

2. SHORTEST JOB FIRST

A. Shortest Job First csv 1.dosya Case 1

Process ID	Arrival Time	Burst Time	Completion	Turnaround	Waiting
P001	0	4	4	4	0
P002	2	7	11	9	2
P003	4	10	21	17	7
P004	6	13	403	397	384
P005	8	16	616	608	592
P006	10	19	874	864	845
P007	12	2	23	11	9
P008	14	5	28	14	9
P009	16	8	45	29	21
P010	18	11	286	268	257
P011	20	14	469	449	435
P012	22	17	697	675	658
P013	24	20	970	946	926
P014	26	3	31	5	2
P015	28	6	37	9	3
P016	30	9	126	96	87
P017	32	12	342	310	288
P018	34	15	540	506	491
P019	36	18	783	747	729
P020	38	1	46	8	7
P021	40	4	50	10	6
P022	42	7	57	15	8
P023	44	10	245	201	191
P024	46	13	416	370	357
P025	48	16	632	584	568
P026	50	19	893	843	824
P027	52	2	59	7	5
P028	54	5	64	10	5
P029	56	8	72	16	8
P030	58	11	297	239	228
P031	60	14	483	423	409
P032	62	17	714	652	635
P033	64	20	990	926	906
P034	66	3	75	9	6
P035	68	6	81	13	7
P036	70	9	208	138	129
P037	72	12	354	282	270
P038	74	15	555	481	466
P039	76	18	801	725	707
P040	78	1	82	4	3
P041	80	4	86	6	4
P042	82	7	93	11	4
P043	84	10	255	171	161
P044	86	13	429	343	330
P045	88	16	648	560	544
P046	90	19	912	822	803
P047	92	2	59	7	1
P048	94	5	100	6	1
P049	96	8	108	12	4
P050	98	11	308	210	199
P051	100	14	497	397	383
P052	102	17	731	629	612
P053	104	20	1010	906	886
P054	106	3	117	5	2
P055	108	6	117	9	3
P056	110	9	217	107	98
P057	112	12	366	254	242

Ortalama Turnaround: 278,89 | Ortalama Waiting: 268,39

B. Shortest Job First csv 2.dosya Case 2

Process ID	Arrival Time	Burst Time	Completion	Turnaround	Waiting
P001	0	4	4	4	0
P002	2	7	11	9	2
P003	4	10	21	17	7
P004	6	13	403	397	384
P005	8	16	616	608	592
P006	10	19	874	864	845
P007	12	2	23	11	9
P008	14	5	28	14	9
P009	16	8	45	29	21
P010	18	11	286	268	257
P011	20	14	469	449	435
P012	22	17	697	675	658
P013	24	20	970	946	926
P014	26	3	31	5	2
P015	28	6	37	9	3
P016	30	9	126	96	87
P017	32	12	342	310	288
P018	34	15	540	506	491
P019	36	18	783	747	729
P020	38	1	46	8	7
P021	40	4	50	10	6
P022	42	7	57	15	8
P023	44	10	245	201	191
P024	46	13	416	370	357
P025	48	16	632	584	568
P026	50	19	893	843	824
P027	52	2	59	7	5
P028	54	5	64	10	5
P029	56	8	72	16	8
P030	58	11	297	239	228
P031	60	14	483	423	409
P032	62	17	714	652	635
P033	64	20	990	926	906
P034	66	3	75	9	6
P035	68	6	81	13	7
P036	70	9	208	138	129
P037	72	12	354	282	270
P038	74	15	555	481	466
P039	76	18	801	725	707
P040	78	1	82	4	3
P041	80	4	86	6	4
P042	82	7	93	11	4
P043	84	10	255	171	161
P044	86	13	429	343	330
P045	88	16	648	560	544
P046	90	19	912	822	803
P047	92	2	59	7	1
P048	94	5	100	6	1
P049	96	8	108	12	4
P050	98	11	308	210	199
P051	100	14	497	397	383
P052	102	17	731	629	612
P053	104	20	1010	906	886
P054	106	3	117	5	2
P055	108	6	117	9	3
P056	110	9	217	107	98
P057	112	12	366	254	242

Ortalama Turnaround: 278,89 | Ortalama Waiting: 268,39

2. SHORTEST JOB FIRST

* Çıktısı başarılıdır

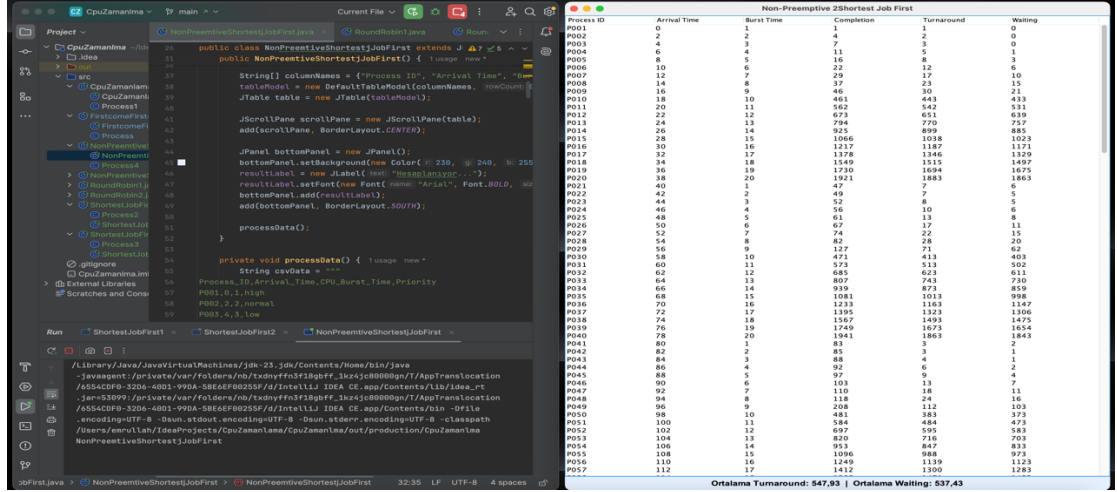
*Girilen data bilgileri algoritmada eksiksiz ve hatasız çalışılmıştır

* En kısa iş algoritmasıdır

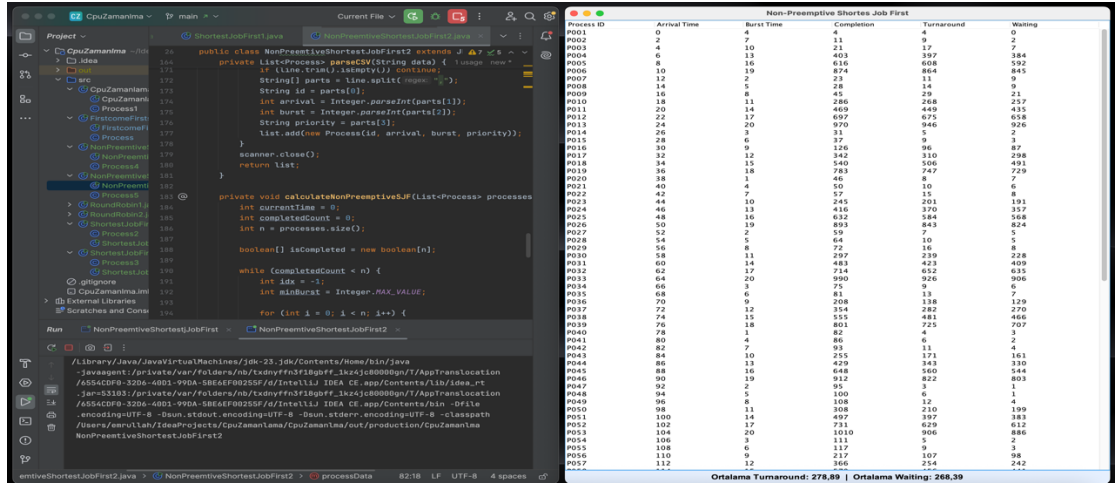
*Maksimum iş tamamlaması iyidir çünkü kısa processler sistemden hızla atıldığından birim zamanda yapılan iş artar

3. NON PREEMTİVE SHORTEST JOB FİRST

A. Non Preemptive Shortest Job First csv 1.dosya Case 1



B. Non Preemptive Shortest Job First csv 2.dosya Case 2



3. NON PREEMTİVE SHORTEST JOB FİRST

- * Çıktısı başarılıdır
- *Girilen data bilgileri algoritmada eksiksiz ve hatasız çalışılmıştır
- * Performan ve maliyet açısından iyidir
- * İş az olan kısa processlerin sistemden atılması birim zamanda yapılan iş sayısını artırır yani yüksek verimlilik sağlar

4. ROUND ROBIN

A. Round Robin csv 1.dosya Case 1

Process ID	Arrival Time	Burst Time	Completion	Turnaround	Waiting
P001	0	4	0	0	-4
P002	2	2	0	-2	-2
P003	4	10	4	0	-10
P004	6	13	6	0	-13
P005	8	16	8	0	-16
P006	10	5	10	0	-10
P007	12	7	12	0	-12
P008	14	9	14	0	-14
P009	16	8	16	0	-16
P010	18	11	18	0	-18
P011	20	14	20	0	-20
P012	22	17	22	0	-22
P013	24	20	24	0	-24
P014	26	3	26	0	-26
P015	28	6	28	0	-28
P016	30	9	30	0	-30
P017	32	12	32	0	-32
P018	34	15	34	0	-34
P019	36	18	36	0	-36
P020	38	21	38	0	-38
P021	40	4	40	0	-40
P022	42	7	42	0	-42
P023	44	10	44	0	-44
P024	46	13	46	0	-46
P025	48	16	48	0	-48
P026	50	19	50	0	-50
P027	52	2	52	0	-52
P028	54	5	54	0	-54
P029	56	8	56	0	-56
P030	58	11	58	0	-58
P031	60	14	60	0	-60
P032	62	17	62	0	-62
P033	64	20	64	0	-64
P034	66	3	66	0	-66
P035	68	6	68	0	-68
P036	70	9	70	0	-70
P037	72	12	72	0	-72
P038	74	15	74	0	-74
P039	76	18	76	0	-76
P040	78	21	78	0	-78
P041	80	4	80	0	-80
P042	82	7	82	0	-82
P043	84	10	84	0	-84
P044	86	13	86	0	-86
P045	88	16	88	0	-88
P046	90	19	90	0	-90
P047	92	2	92	0	-92
P048	94	5	94	0	-94
P049	96	8	96	0	-96
P050	98	11	98	0	-98
P051	100	14	100	0	-100
P052	102	17	102	0	-102
P053	104	20	104	0	-104
P054	106	3	106	0	-106
P055	108	6	108	0	-108
P056	110	9	110	0	-110
P057	112	12	112	0	-112
P058	114	15	114	0	-114

Ortalama Turnaround: 0.00 | Ortalama Waiting: -10.50

B. Round Robin csv 2.dosya Case 2

Process ID	Arrival Time	Burst Time	Completion	Turnaround	Waiting
P001	0	1	0	0	-1
P002	2	2	0	-2	-2
P003	4	3	4	0	-3
P004	6	4	6	0	-4
P005	8	5	8	0	-5
P006	10	6	10	0	-6
P007	12	7	12	0	-7
P008	14	8	14	0	-8
P009	16	9	16	0	-9
P010	18	10	18	0	-10
P011	20	11	20	0	-11
P012	22	12	22	0	-12
P013	24	13	24	0	-13
P014	26	14	26	0	-14
P015	28	15	28	0	-15
P016	30	16	30	0	-16
P017	32	17	32	0	-17
P018	34	18	34	0	-18
P019	36	19	36	0	-19
P020	38	20	38	0	-20
P021	40	1	40	0	-40
P022	42	2	42	0	-42
P023	44	3	44	0	-44
P024	46	4	46	0	-46
P025	48	5	48	0	-48
P026	50	6	50	0	-50
P027	52	7	52	0	-52
P028	54	8	54	0	-54
P029	56	9	56	0	-56
P030	58	10	58	0	-58
P031	60	11	60	0	-60
P032	62	12	62	0	-62
P033	64	13	64	0	-64
P034	66	14	66	0	-66
P035	68	15	68	0	-68
P036	70	16	70	0	-70
P037	72	17	72	0	-72
P038	74	18	74	0	-74
P039	76	19	76	0	-76
P040	78	20	78	0	-78
P041	80	1	80	0	-80
P042	82	2	82	0	-82
P043	84	3	84	0	-84
P044	86	4	86	0	-86
P045	88	5	88	0	-88
P046	90	6	90	0	-90
P047	92	7	92	0	-92
P048	94	8	94	0	-94
P049	96	9	96	0	-96
P050	98	10	98	0	-98
P051	100	11	100	0	-100
P052	102	12	102	0	-102
P053	104	13	104	0	-104
P054	106	14	106	0	-106
P055	108	15	108	0	-108
P056	110	16	110	0	-110
P057	112	17	112	0	-112
P058	114	18	114	0	-114

Ortalama Turnaround: 0.00 | Ortalama Waiting: -10.50

4. ROUND ROBIN

- * Çıktısı başarılıdır
- * Girilen data bilgileri algoritmada eksiksiz ve hatasız çalışılmıştır
- * Hızlı yanıt verir
- * Uzun işlerin sürekli beklemesi Round Robinde yaşanmaz

Tüm dosyalarda

--Waiting Time(bekleme süresi)

--Turnaround Time(tamamlanma süresi)

--Dönüş süresi

--CPU zaman tablosuda verildi

vardır