

Semestre 3

			Programmation orienté objet et XML			Qualité et aproche proccessus			Modélisation orienté objet et IHM			Base de donné avancées 1			Administration et programmation système			Langues et communication 1			
Code Apogé	Nom	Prénom	Programmation orienté objet : Java	XML	MOYENNE	Maitrise et optimisation des processus	Assurance contrôle qualité (ISO 9001)	MOYENNE	Modélisation orientée objet UML	Cycle de vie logiciel	MOYENNE	Optimisation et qualité de base de données	Base de données NoSQL	MOYENNE	Administration systèmes	Programmation systèmes	MOYENNE	Anglais professionnel	Technique de communication	MOYENNE	MOYENNE
20000773	ABETIOU	SOFIANE	14.05	8.51	11.28	5.1	6.82	8.69	4.92	16.21	9.93	7.95	8.78	6.66	6.31	13.05	9.68	5.56	4.57	4.94	8.53
19001211	ACHERNAN	MOHAMED	15.01	13.31	14.16	10.24	15.37	13.39	6.19	4.86	5.32	3.1	15.3	10.3	15.98	19.5	17.74	4.22	18.59	12.51	12.24
19001137	AFOUD	HIND	16.67	8.66	12.67	6.18	14.25	9.14	12.24	11.72	9.89	6.93	4.07	5.86	10.25	19.44	14.85	5.82	5.11	4.44	9.47
20000734	AIT OUKHADI	SELMA	13.19	4.56	8.88	17.79	18.16	14.11	12.86	9.54	8.28	5.65	17.84	10.09	14.94	14.23	14.59	19.24	18.45	13.63	11.59
20000761	AKIIRNE	AMAL	11.82	14.81	13.32	4.42	17.35	10.78	2.05	18.04	11.07	2.28	7.52	9.05	3.03	5.09	4.06	2.75	3.96	5.43	8.95
19001276	AMHAOUJECH	WIAM	17.15	9.72	13.43	19.45	18.79	14.3	2.02	2.94	6.13	6.6	15.94	9.54	17.95	5.99	11.97	3.76	5.75	6.25	10.27
20001244	AMINE	TAHA	19.8	8.43	14.12	6.68	14.33	10.47	18.52	18.51	13.54	18.46	7.87	10.7	11.93	6.15	9.04	13.46	7.78	12.04	11.65
20000493	ARRAB	HAFSA	16.8	10.86	13.83	5.23	16.27	11.88	3.45	4.59	6.06	10.63	10.35	9.62	13.3	19.76	16.53	12.76	12.92	14.47	12.06
20006988	BAJJI	AMINE	11.62	17.92	14.77	17.83	12.79	12.49	10.75	13.31	12.5	3.24	13.49	9.23	7.21	11.59	9.4	12.57	5.86	9.55	11.32
20007078	BENAMRI	AYMANE	4.48	10.31	7.4	16.48	4.72	8.85	12.18	15.37	12.06	2.37	18.27	9.37	14.21	7.18	10.7	9.13	18.48	11.5	9.98
20000758	BENATTOU	IHSANE	13.99	11.01	12.5	3.99	16.89	11.7	2.44	14.77	6.48	14.19	6.68	13.54	11.65	6.51	9.08	13.36	9.45	12.67	10.99
20000757	BENATTOU	IMANE	14.84	19.44	17.14	14.89	9.57	10.34	17.98	14.65	14.16	7.25	10.69	10.79	19.48	16.59	18.04	4.04	15.69	10.89	13.56
19002165	BENTOUFILE	OUSSAMA	18.82	15.54	17.18	7.54	17.73	14.81	6.91	14.08	9.68	15.73	14.45	11.24	9.63	8.33	8.98	14.05	12.52	11.0	12.15
20000730	BOUALI	MAROUA	2.26	8.83	5.54	19.66	16.6	14.54	19.07	12.97	11.37	5.42	5.72	5.92	6.13	6.53	6.33	15.59	9.67	9.87	8.93
20002424	BOUKTAIB	SOUFIAN	18.92	12.12	15.52	11.51	16.72	15.65	16.8	10.34	14.7	8.22	7.44	9.81	19.79	3.01	11.4	3.24	8.01	6.16	12.21
20000771	BOULAID	SARA	10.42	11.3	10.86	16.41	8.6	9.28	5.69	5.44	9.2	12.28	10.49	11.41	9.62	8.63	9.12	6.71	17.11	12.57	10.41
20007025	CHANAA	AIMANE	7.57	2.03	4.8	9.55	4.66	11.3	5.3	10.47	10.23	15.74	2.48	11.68	19.87	12.79	16.33	18.95	16.83	16.96	11.88
20007161	CHATT	ANAS	6.73	2.51	4.62	4.18	16.6	13.17	13.1	9.17	12.66	2.51	15.49	6.78	3.37	11.12	7.24	3.47	7.76	6.81	8.55
20004313	DAHRABOU	DOHA	5.2	14.5	9.85	8.58	18.04	14.96	3.61	19.08	11.3	7.71	14.96	8.75	10.09	13.59	11.84	13.15	14.28	11.18	11.31

20007051	DAOUDI	AYA	5.99	4.99	5.49	18.41	2.01	11.82	12.26	4.09	10.17	19.68	16.32	17.44	16.11	12.95	14.53	5.36	4.98	5.85	10.88
20002432	ECHBERAAL	ANASS	3.49	8.97	6.23	9.45	11.11	9.37	16.83	19.1	15.38	2.31	9.83	9.19	3.75	13.57	8.66	7.89	2.22	6.44	9.21
20002251	EL AALOUCI	MOHAMMED	18.78	3.93	11.36	5.93	7.15	5.77	17.23	6.48	11.47	12.71	5.71	10.57	14.43	13.07	13.75	4.55	11.43	6.87	9.96
20002670	EL ASSIRI	AHLAM	8.31	16.91	12.61	14.24	10.44	13.07	8.95	8.24	8.39	6.49	14.13	13.19	7.45	8.02	7.73	14.53	16.61	13.69	11.45
20000742	EL AZOUAN	AYA	19.3	3.95	11.62	4.54	13.25	8.12	10.67	19.32	12.67	7.34	5.45	5.52	5.05	7.93	6.49	13.92	12.33	11.59	9.33
20000741	EL BAGHDADI	NADA	2.68	2.56	2.62	12.91	19.2	16.79	11.4	16.67	11.49	14.19	12.9	13.35	17.13	16.75	16.94	17.68	5.47	8.4	11.6
20000775	EL BARAKA	NOUHAILA	17.06	7.83	12.45	16.57	15.7	12.3	11.26	2.86	7.04	15.16	18.14	11.92	8.17	18.51	13.34	4.6	13.08	9.59	11.11
20007042	EL FERCHOUNI	SOUKAYNA	4.52	14.02	9.27	18.31	8.96	10.44	3.0	14.22	8.32	8.67	15.39	11.42	10.92	17.8	14.36	14.11	14.32	11.35	10.86
19001439	EL FICH	RIHAB	10.99	12.19	11.59	4.02	10.21	6.72	4.93	7.75	6.39	19.07	5.93	13.07	16.89	16.84	16.87	19.37	14.67	14.44	11.51
20000780	EL HABTI	NAJOUA	10.0	4.1	7.05	13.37	16.64	15.18	3.8	19.28	9.69	15.23	10.4	10.73	9.97	17.07	13.52	9.54	5.84	6.08	10.37
20003925	EL HADDAD	MOHAMED	18.51	5.94	12.23	16.6	19.72	15.2	4.68	7.96	8.36	12.12	16.87	13.1	18.68	6.59	12.63	10.21	13.85	10.49	12.0
19006658	EL HARIRI	KENZA	2.34	12.79	7.56	17.7	16.17	15.83	16.87	2.06	11.5	9.86	17.26	13.21	11.42	13.64	12.53	12.61	7.43	10.02	11.78
20000755	EL HARRACHI	ABDERRAHMANE	3.55	14.55	9.05	14.58	18.65	12.68	8.23	7.52	11.71	7.43	5.71	9.54	12.5	16.94	14.72	4.87	10.54	8.69	11.07
20000716	EL MAFTOUHI	BILAL	19.83	19.29	19.56	12.37	10.61	9.33	6.7	2.87	6.09	9.15	12.31	7.86	11.03	9.16	10.09	6.15	19.82	9.64	10.43
18008815	EL MAIMOUNI	MOHAMED AMINE	17.21	7.44	12.33	14.4	14.71	14.21	9.5	17.59	10.1	13.11	6.93	12.99	12.04	19.47	15.75	16.24	7.25	11.07	12.74
20006989	EL MOUMOUHI	HOUDA	13.23	3.95	8.59	10.58	15.75	9.77	10.86	15.62	14.75	15.47	12.82	14.03	2.3	15.13	8.71	7.74	3.13	9.93	10.96
20007067	EL OMARI	IMANE	17.66	2.81	10.23	3.1	7.55	5.09	17.06	4.3	13.78	13.23	6.93	13.05	17.66	17.04	17.35	10.97	19.9	16.66	12.7
19001413	EL YAMLAHI	AICHA	17.24	6.72	11.98	5.35	19.14	9.41	12.22	10.96	10.99	11.08	2.46	5.77	7.79	17.85	12.82	15.73	14.66	14.52	10.92
17004026	EL YAZGHI	MARYEM	7.46	15.9	11.68	6.76	19.78	12.36	3.2	2.05	3.79	4.72	19.07	8.9	12.96	14.47	13.71	18.17	18.2	13.44	10.65
20000759	ENNAJARI	OUMAIMA	12.03	13.51	12.77	11.68	12.87	12.52	15.32	3.58	10.35	11.53	17.98	13.47	5.0	2.02	3.51	7.63	18.24	12.67	10.88
19005693	ESSAIH	ASMAE	2.45	2.82	2.63	13.59	19.06	13.45	9.37	17.97	15.34	8.27	18.15	13.93	3.33	3.31	3.32	9.57	3.33	7.57	9.38
20000777	GLIOUAL	YASSINE	18.21	4.16	11.19	9.49	3.13	9.18	7.23	15.52	9.73	15.59	3.79	9.24	17.84	16.72	17.28	19.11	8.55	11.69	11.38
19005656	GOMAIRI	HAMZA	16.85	5.24	11.05	19.14	12.98	12.73	19.53	12.25	14.48	19.25	3.47	10.6	7.82	4.69	6.26	9.0	2.4	6.69	10.3
20002433	HAMDAN	KARIMA	12.43	3.83	8.13	9.33	5.58	9.17	7.65	17.7	12.6	13.5	4.94	12.36	16.49	7.28	11.88	9.08	3.56	10.45	10.77

20002532	HARRAK	YOUSSEF	17.74	8.52	13.13	17.03	5.01	11.62	4.06	12.76	6.93	4.69	19.23	10.78	18.56	12.48	15.52	11.68	4.08	11.22	11.53
20000763	HAYAOUI	MOUAD	16.6	7.05	11.83	5.04	6.79	6.39	3.74	10.24	10.74	4.88	7.18	9.16	6.95	16.35	11.65	16.68	8.06	14.06	10.64
20000740	HIMMI	HAJAR	6.41	15.21	10.81	13.39	7.04	8.7	6.74	5.3	6.31	12.17	17.81	16.54	3.12	2.15	2.63	9.53	14.6	9.86	9.14
20002137	IDRISSI	YASSINE	4.82	6.63	5.72	9.21	19.81	14.79	9.35	18.23	12.77	13.06	9.06	12.08	17.31	5.02	11.16	15.22	11.13	14.38	11.82
20006985	JAADA	ZAHAIRA	13.3	19.04	16.17	4.81	9.99	11.57	17.81	6.13	11.9	3.76	9.31	9.6	14.44	13.82	14.13	12.04	8.49	8.76	12.02
20002554	KACHAR	NABIL	5.08	17.57	11.32	18.21	6.95	13.88	15.52	2.96	9.96	4.68	17.35	8.51	14.98	17.92	16.45	18.58	14.97	17.04	12.86
20009742	KDIDAR	HAJAR	13.19	11.04	12.11	13.3	15.86	13.9	10.3	12.24	10.99	14.69	14.7	12.58	2.69	5.26	3.97	4.08	18.54	13.23	11.13
19006706	KEFFAOUI	NOHA	11.23	2.18	6.71	11.98	5.03	9.32	12.34	19.99	12.02	2.99	3.69	7.84	17.9	7.6	12.75	11.77	17.91	15.54	10.7
20006930	KHALLOUFI	AYA	6.35	11.06	8.71	2.5	13.02	6.45	18.14	9.66	12.62	4.63	6.02	8.38	19.97	6.18	13.07	14.21	5.22	10.29	9.92
20000754	LAABADI	HOUDA	19.5	16.25	17.88	10.52	3.41	8.21	19.77	3.43	13.19	2.21	3.24	4.37	6.36	9.42	7.89	11.76	17.25	16.09	11.27
19002804	LAHOIENI	ABDERRAHIM	9.34	2.79	6.06	10.38	2.99	10.78	16.44	3.9	9.46	6.6	9.51	11.56	11.48	4.71	8.1	5.29	9.59	7.18	8.86
19001375	LAKRAMAT	HASNAE	14.13	6.24	10.19	11.07	18.36	15.99	9.18	10.08	12.63	5.16	13.05	10.07	16.04	15.33	15.68	9.05	4.01	10.31	12.48
20000731	MOUNTASSIR	REDA	18.25	4.15	11.2	9.94	4.49	9.54	4.7	12.65	7.29	2.98	9.23	8.91	19.76	6.57	13.17	3.28	5.44	5.24	9.22
20000513	NAYMA	OMAYMA	15.2	11.86	13.53	13.84	13.96	15.78	12.55	14.98	10.27	11.56	14.91	13.44	17.57	17.75	17.66	12.25	12.67	14.65	14.22
20007695	RANBOUK	LAMIAE	19.49	9.74	14.61	4.31	2.65	3.49	6.16	17.65	11.37	7.85	16.04	12.21	15.21	9.98	12.6	12.44	2.85	11.34	10.94
19006284	RAYES	ABDELKOUDOUS	8.49	4.81	6.65	17.15	3.84	11.1	16.77	10.54	10.62	11.45	13.34	10.67	11.96	10.29	11.12	6.13	18.69	13.07	10.54
20000721	SAMADI	IMAD	17.18	11.31	14.25	7.47	13.07	11.65	13.38	7.6	8.26	19.82	16.94	15.14	4.38	11.66	8.02	2.18	12.93	6.72	10.67
20000491	SAMADI	MARIA	9.53	3.85	6.69	2.46	7.23	9.19	10.83	11.99	9.12	9.44	6.1	11.45	5.32	4.81	5.06	13.27	5.93	11.64	8.86
20002123	ZAOUI	OUSSAMA	6.99	5.42	6.21	2.07	2.82	4.93	8.14	2.91	9.85	7.14	2.65	4.75	8.41	18.39	13.4	8.96	3.63	7.49	7.77

Semestre 4

			Technologies distribuée			Base de donn�e avanc�es 2 et Cloud			Traitement de l'image			Programation d�clarative et Techniques algorithmiques Avanc�es			S�curit� et cryptographie			Management de l'entreprise 2			
Code Apog�	Nom	Pr�nom	Introduction � J2EE	Programmation en C#	MOYENNE	Gestion des donn�es complexes	Gestion des donn�es distribu�es	MOYENNE	Traitement d'image	Processus stochastique	MOYENNE	Programmation d�clarative	Technique algorithmique avanc�	MOYENNE	S�curit� des syst�mes	Cryptographie	MOYENNE	Economie et comptabilit� 2	Projet collectif et stage	MOYENNE	MOYENNE
20000773	ABETIOU	SOFIANE	5.25	17.78	11.52	11.63	14.48	11.09	2.57	8.84	4.64	11.16	15.43	13.29	16.98	2.28	9.63	16.98	2.99	8.4	9.76
19001211	ACHERNAN	MOHAMED	12.41	15.71	14.06	12.66	15.77	15.33	16.82	12.66	15.28	4.55	13.33	8.94	3.14	6.5	4.82	8.73	7.13	7.11	10.92
19001137	AFOUD	HIND	7.78	7.85	7.81	5.59	14.11	9.65	13.41	9.72	12.4	14.17	18.02	16.09	14.76	5.15	9.96	15.91	9.35	13.04	11.49
20000734	AIT OUKHADI	SELMA	7.55	4.44	6.0	14.37	10.7	12.47	4.95	11.6	10.18	5.11	3.23	4.17	8.93	12.99	10.96	2.24	12.42	6.83	8.43
20000761	AKIIRNE	AMAL	11.87	4.79	8.33	5.49	10.81	7.87	13.95	3.08	7.0	4.94	13.04	8.99	18.88	7.77	13.32	8.11	2.84	4.85	8.39
19001276	AMHAOUJECH	WIAM	18.87	18.25	18.56	8.81	15.92	13.44	7.97	8.44	8.58	11.33	17.77	14.55	19.61	7.79	13.7	11.74	6.24	7.94	12.79
20001244	AMINE	TAHA	8.63	7.1	7.87	2.45	3.53	6.93	5.95	11.64	7.09	2.18	5.63	3.91	3.36	11.8	7.58	19.4	4.71	12.49	7.64
20000493	ARRAB	HAFSA	10.3	2.05	6.18	14.24	12.28	13.04	9.2	19.54	13.93	7.67	14.7	11.18	16.72	17.05	16.88	11.25	19.41	15.04	12.71
20006988	BAJJI	AMINE	12.32	8.7	10.51	10.46	18.6	11.28	10.25	5.81	9.72	3.57	11.78	7.67	16.08	14.79	15.43	15.12	6.12	12.53	11.19
20007078	BENAMRI	AYMANE	14.78	5.22	10.0	4.01	3.34	5.06	11.8	18.66	12.31	5.89	13.09	9.49	15.89	13.47	14.68	10.03	16.87	14.03	10.93
20000758	BENATTOU	IHSANE	2.65	16.04	9.34	8.83	4.31	5.1	2.04	18.98	10.35	19.29	13.18	16.23	19.18	7.51	13.34	12.81	12.29	10.57	10.82
20000757	BENATTOU	IMANE	13.16	19.5	16.33	13.24	2.68	8.41	17.17	9.33	13.45	6.21	5.84	6.03	19.94	5.58	12.76	3.65	18.57	11.28	11.38
19002165	BENTOUFILE	OUSSAMA	7.98	7.86	7.92	17.9	14.13	14.97	15.16	3.4	11.33	3.15	18.82	10.98	2.82	5.2	4.01	12.14	12.72	9.1	9.72
20000730	BOUALI	MAROUA	5.03	10.32	7.68	11.91	8.5	11.28	6.5	6.11	6.34	5.57	5.76	5.67	17.31	11.5	14.4	13.44	17.22	13.1	9.74
20002424	BOUKTAIB	SOUFIAN	5.37	11.31	8.34	14.32	6.86	9.0	13.42	10.64	13.97	2.86	8.55	5.71	16.19	18.36	17.27	9.31	16.11	14.05	11.39
20000771	BOULAID	SARA	9.36	6.85	8.11	7.62	4.45	8.83	5.55	12.78	12.33	11.49	8.33	9.91	7.28	7.78	7.53	6.88	18.68	11.59	9.72
20007025	CHANAA	AIMANE	4.18	4.77	4.47	10.87	19.97	15.75	18.93	18.54	15.54	6.45	12.92	9.69	18.0	14.55	16.27	3.24	9.19	7.94	11.61
20007161	CHATT	ANAS	3.77	5.42	4.59	18.86	10.2	11.08	11.02	4.76	6.98	9.2	13.2	11.2	13.1	5.72	9.41	3.04	18.01	8.97	8.7
20004313	DAHRABOU	DOHA	12.42	14.89	13.66	9.81	7.44	11.32	18.04	14.99	13.38	8.81	7.01	7.91	7.8	8.58	8.19	8.95	14.78	13.02	11.25

20007051	DAOUDI	AYA	18.9	10.56	14.73	7.93	9.37	10.09	9.0	19.33	11.12	11.98	11.17	11.57	4.4	5.51	4.96	5.68	18.76	13.68	11.03
20002432	ECHBERAAL	ANASS	13.25	7.86	10.55	9.88	17.87	15.44	13.66	11.03	9.75	2.08	3.13	2.6	14.82	4.82	9.82	4.28	13.68	9.08	9.54
20002251	EL AALOUC	MOHAMMED	6.59	6.13	6.36	11.32	5.8	10.03	7.01	4.91	6.01	4.99	7.54	6.27	8.9	17.46	13.18	14.84	19.03	15.76	9.6
20002670	EL ASSIRI	AHLAM	14.95	17.99	16.47	14.42	10.29	14.68	3.48	12.63	10.69	19.67	6.46	13.07	17.1	14.03	15.57	3.59	18.49	9.01	13.25
20000742	EL AZOUAN	AYA	7.88	13.6	10.74	6.31	15.03	11.3	19.06	16.55	16.84	6.0	19.93	12.96	17.31	3.89	10.6	16.96	11.27	10.73	12.2
20000741	EL BAGHDADI	NADA	11.41	4.38	7.89	17.61	10.39	13.53	7.86	13.87	11.67	14.78	16.89	15.84	18.91	14.89	16.9	17.0	7.2	10.04	12.64
20000775	EL BARAKA	NOUHAILA	8.05	3.19	5.62	18.43	19.69	13.96	5.62	10.38	9.36	11.44	16.89	14.16	4.75	13.46	9.11	5.46	17.12	9.09	10.22
20007042	EL FERCHOUNI	SOUKAYNA	19.67	4.26	11.96	14.68	15.27	13.14	17.62	14.95	12.39	13.88	4.32	9.1	15.06	14.62	14.84	2.16	2.52	6.03	11.24
19001439	EL FICH	RIHAB	19.17	2.79	10.98	16.76	15.25	17.29	7.86	16.81	9.89	16.63	14.73	15.68	18.38	10.54	14.46	18.12	17.19	15.82	14.02
20000780	EL HABTI	NAJOUA	11.33	11.41	11.37	18.88	3.66	10.57	18.42	18.09	17.8	9.15	3.65	6.4	15.42	4.77	10.09	17.57	9.44	14.12	11.73
20003925	EL HADDAD	MOHAMED	18.11	15.31	16.71	2.05	10.28	8.08	18.44	9.19	12.72	15.2	19.46	17.33	9.85	12.67	11.26	15.55	13.36	15.23	13.56
19006658	EL HARIRI	KENZA	14.74	2.53	8.63	12.2	7.43	8.15	7.67	8.69	6.66	13.31	17.18	15.25	11.15	17.97	14.56	17.09	6.2	12.25	10.92
20000755	EL HARRACHI	ABDERRAHMANE	15.38	15.56	15.47	19.78	12.39	11.46	12.94	4.59	10.15	5.23	2.86	4.04	9.69	8.73	9.21	15.42	5.53	9.65	10.0
20000716	EL MAFTOUHI	BILAL	17.03	2.4	9.71	14.69	7.02	8.23	9.48	2.46	8.69	8.93	10.67	9.8	13.18	17.29	15.23	5.07	18.52	9.98	10.28
18008815	EL MAIMOUNI	MOHAMED AMINE	13.56	2.37	7.96	11.77	6.61	7.73	15.04	15.08	11.27	18.46	8.67	13.57	9.75	16.79	13.27	13.25	14.15	12.77	11.09
20006989	EL MOUMOUHI	HOUDA	13.9	19.15	16.52	12.5	2.63	11.19	19.5	10.99	15.49	11.58	5.17	8.38	5.16	15.69	10.43	3.27	13.38	6.97	11.5
20007067	EL OMARI	IMANE	10.19	17.98	14.09	4.27	14.17	8.86	9.46	7.99	7.59	10.33	3.39	6.86	12.05	9.58	10.82	15.17	19.84	12.83	10.17
19001413	EL YAMLAHI	AICHA	11.75	8.59	10.17	14.58	19.59	14.29	4.58	12.44	10.18	17.89	7.75	12.82	7.59	9.13	8.36	7.39	15.74	13.29	11.52
17004026	EL YAZGHI	MARYEM	11.21	17.48	14.35	15.75	19.25	14.67	2.51	19.44	11.7	10.84	7.2	9.02	14.24	9.53	11.88	3.19	8.46	9.39	11.83
20000759	ENNAJARI	OUMAIMA	6.75	7.84	7.29	2.2	8.52	6.53	11.93	16.42	13.62	2.86	10.09	6.47	18.33	10.45	14.39	5.23	13.16	9.46	9.63
19005693	ESSAIH	ASMAE	3.7	19.2	11.45	14.07	16.91	11.11	11.47	6.95	9.92	6.23	19.64	12.94	12.69	12.22	12.46	19.28	3.51	10.88	11.46
20000777	GLIOUAL	YASSINE	19.79	13.16	16.48	7.33	16.79	11.23	2.67	10.61	8.7	10.75	16.55	13.65	2.06	16.31	9.18	16.06	18.79	14.7	12.32
19005656	GOMAIRI	HAMZA	18.3	17.82	18.06	6.89	18.73	12.83	18.11	10.8	14.32	7.86	5.71	6.79	5.83	9.57	7.7	17.18	7.97	12.16	11.98

20002433	HAMDAN	KARIMA	17.65	16.34	16.99	10.0	18.42	14.5	9.36	4.72	5.56	10.25	6.94	8.6	17.19	3.77	10.48	14.09	14.0	13.83	11.66
20002532	HARRAK	YOUSSEF	12.96	9.05	11.01	11.19	2.54	6.22	15.54	2.72	9.98	8.7	17.98	13.34	12.32	10.99	11.66	7.87	14.11	9.17	10.23
20000763	HAYAOUI	MOUAD	18.71	12.59	15.65	13.65	5.61	9.64	13.87	17.75	12.31	14.96	9.22	12.09	18.36	19.43	18.89	5.13	9.27	5.49	12.35
20000740	HIMMI	HAJAR	9.65	12.44	11.04	12.05	19.12	16.04	15.68	9.98	11.76	2.06	13.13	7.6	16.96	11.3	14.13	19.26	7.53	9.91	11.75
20002137	IDRISSI	YASSINE	8.04	15.01	11.52	9.91	18.87	11.6	18.17	14.07	13.0	13.73	4.79	9.26	11.18	11.17	11.18	7.86	2.71	6.68	10.54
20006985	JAADA	ZAHAIRA	18.74	7.15	12.95	12.29	4.18	7.64	6.42	13.8	10.32	18.48	5.4	11.94	2.07	17.06	9.56	10.85	10.44	11.44	10.64
20002554	KACHAR	NABIL	15.19	5.34	10.27	13.1	15.97	15.3	9.78	9.27	10.41	15.24	13.27	14.25	19.21	7.67	13.44	7.0	12.02	7.5	11.86
20009742	KDIDAR	HAJAR	2.02	4.26	3.14	13.79	9.4	13.91	17.48	10.74	13.25	14.96	18.4	16.68	6.9	16.67	11.79	4.9	12.05	10.93	11.61
19006706	KEFFAOUI	NOHA	3.1	15.86	9.48	12.94	12.18	14.55	10.62	16.8	13.26	8.01	17.31	12.66	19.81	9.88	14.84	19.08	6.78	11.56	12.73
20006930	KHALLOUFI	AYA	16.68	9.65	13.16	16.63	9.15	10.44	16.79	2.03	8.27	13.55	14.85	14.2	11.51	9.48	10.5	8.11	17.34	14.16	11.79
20000754	LAABADI	HOUDA	10.77	19.48	15.12	6.98	4.23	9.99	4.87	19.07	10.01	12.09	19.05	15.57	2.59	14.78	8.68	9.78	19.98	13.57	12.16
19002804	LAHOIENI	ABDERRAHIM	13.86	7.03	10.45	16.67	19.77	16.91	19.83	8.08	15.23	5.91	7.66	6.79	14.69	7.79	11.24	15.88	14.4	11.06	11.94
19001375	LAKRAMAT	HASNAE	4.29	9.86	7.07	19.9	13.52	12.84	13.32	5.49	11.85	16.83	14.64	15.73	3.78	8.83	6.3	15.04	6.24	9.21	10.5
20000731	MOUNTASSIR	REDA	14.19	4.81	9.5	11.56	8.14	13.06	2.34	11.91	11.4	10.76	11.22	10.99	15.72	2.58	9.15	19.81	14.0	16.85	11.82
20000513	NAYMA	OMAYMA	12.58	18.44	15.51	10.16	11.95	8.98	15.95	2.36	12.13	17.57	6.47	12.02	8.8	11.26	10.03	14.08	17.19	16.46	12.52
20007695	RANBOUK	LAMIAE	17.83	9.06	13.45	11.37	9.0	9.48	19.21	16.67	17.26	15.47	17.07	16.27	3.74	4.24	3.99	4.87	4.11	7.92	11.39
19006284	RAYES	ABDELKOUDOUS	6.15	18.64	12.39	17.56	18.46	15.98	13.43	9.69	10.83	7.01	3.64	5.33	18.33	3.35	10.84	15.61	18.09	13.92	11.55
20000721	SAMADI	IMAD	7.5	2.15	4.83	11.98	12.16	10.81	17.57	5.5	13.42	4.35	2.47	3.41	10.94	9.64	10.29	4.27	14.2	9.49	8.71
20000491	SAMADI	MARIA	2.82	3.67	3.25	13.41	15.63	12.02	3.55	13.89	9.66	7.67	5.69	6.68	15.37	16.14	15.75	14.37	9.52	9.38	9.46
20002123	ZAUI	OUSSAMA	11.78	7.23	9.5	13.07	7.33	8.33	8.92	2.08	7.47	8.26	19.46	13.86	5.9	12.05	8.98	6.38	15.96	10.26	9.73