

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	18.39	4.36	11.38	11.98	13.7	10.54	9.39	11.96	8.68	12.1	4.71	11.05	19.03	14.43	16.73	2.88	15.71	8.35	11.12
19001211	ACHERNAN	MOHAMED	17.73	18.68	18.2	6.9	16.86	13.29	6.83	19.66	15.26	3.19	6.49	7.62	9.83	11.38	10.61	4.57	2.9	4.38	11.56
19001137	AFOUD	HIND	13.4	13.38	13.39	12.74	13.09	14.05	5.91	19.41	10.35	18.92	19.68	14.49	6.51	7.09	6.8	8.36	3.5	8.08	11.19
20000734	AIT OUKHADI	SELMA	14.71	11.25	12.98	13.72	9.81	13.22	19.63	4.2	12.48	2.34	16.19	8.41	14.22	15.6	14.91	8.27	4.68	9.38	11.9
20000761	AKIIRNE	AMAL	10.76	13.69	12.22	11.56	13.91	12.61	5.39	19.3	11.66	3.17	13.71	6.38	13.29	15.26	14.27	13.75	13.55	14.57	11.95
19001276	AMHAOUJECH	WIAM	5.42	3.22	4.32	9.14	6.82	10.5	12.98	18.95	12.19	2.89	7.0	5.55	8.77	13.27	11.02	5.17	5.15	7.91	8.58
20001244	AMINE	TAHA	16.66	10.16	13.41	16.01	2.64	9.66	16.9	17.5	16.58	6.56	10.16	8.07	13.59	17.22	15.4	17.29	12.32	13.3	12.74
20000493	ARRAB	HAFSA	9.32	9.5	9.41	6.52	13.55	7.98	2.53	5.52	5.15	2.29	14.09	11.77	7.97	2.59	5.28	10.53	5.6	7.96	7.93
20006988	BAJJI	AMINE	9.89	16.58	13.23	10.93	2.73	6.73	3.14	7.54	6.88	15.13	7.1	11.82	19.85	19.75	19.8	18.9	13.2	14.33	12.13
20007078	BENAMRI	AYMANE	14.57	9.6	12.09	15.09	6.05	8.65	16.85	19.75	18.03	14.68	9.57	11.78	9.21	12.33	10.77	11.89	19.08	11.88	12.2
20000758	BENATTOU	IHSANE	18.68	6.72	12.7	13.71	9.83	10.42	4.45	8.34	6.34	2.23	9.91	9.54	4.79	18.77	11.78	11.48	14.24	10.44	10.21
20000757	BENATTOU	IMANE	15.1	4.2	9.65	7.03	12.33	11.77	3.17	6.66	8.38	4.57	9.22	11.16	6.23	2.76	4.5	10.61	14.58	13.03	9.75
19002165	BENTOUFILE	OUSSAMA	5.14	2.79	3.96	15.21	19.32	13.13	2.34	14.5	8.6	3.13	7.82	6.99	7.91	13.06	10.48	13.9	13.6	13.92	9.52
20000730	BOUALI	MAROUA	6.53	17.58	12.05	15.91	14.41	12.32	4.19	5.47	7.87	16.3	19.93	16.62	16.58	13.56	15.07	15.51	7.34	11.79	12.62
20002424	BOUKTAIB	SOUFIAN	3.88	13.63	8.76	10.37	5.2	11.39	2.38	18.42	10.83	3.98	13.52	11.58	16.39	14.44	15.41	17.76	14.79	12.81	11.8
20000771	BOULAID	SARA	6.07	4.95	5.51	5.38	18.49	10.18	19.64	9.73	11.49	9.01	8.98	8.43	7.35	4.28	5.81	9.38	12.52	8.83	8.37
20007025	CHANAA	AIMANE	14.25	5.6	9.93	8.36	8.33	7.67	12.41	19.29	15.44	2.44	3.54	3.44	9.75	8.44	9.09	14.35	6.45	10.64	9.37
20007161	CHATT	ANAS	18.92	7.84	13.38	5.17	15.72	13.56	5.13	5.22	8.04	9.11	12.8	12.58	5.76	13.73	9.75	17.88	12.72	15.43	12.12
20004313	DAHRABOU	DOHA	15.88	5.25	10.57	14.39	11.65	12.3	3.75	18.89	10.28	19.63	9.73	12.2	8.86	8.92	8.89	5.36	19.11	12.87	11.18

20007051	DAOUDI	AYA	9.59	16.22	12.9	12.2	18.05	10.87	4.74	19.32	11.97	2.91	5.53	7.11	11.19	4.55	7.87	16.03	6.55	11.95	10.45
20002432	ECHBERAAL	ANASS	19.91	12.45	16.18	4.28	14.47	9.64	10.54	13.25	10.11	8.09	17.03	9.49	3.87	13.52	8.7	18.54	2.12	11.15	10.88
20002251	EL AALOUCI	MOHAMMED	6.28	12.72	9.5	12.51	3.59	11.96	16.17	11.9	10.96	14.08	15.02	11.35	3.19	9.9	6.54	6.53	17.3	10.21	10.09
20002670	EL ASSIRI	AHLAM	16.21	5.09	10.65	8.65	18.53	13.01	11.12	12.85	12.96	16.01	7.04	9.64	4.96	7.6	6.28	7.11	9.18	7.9	10.07
20000742	EL AZOUAN	AYA	8.48	15.27	11.88	15.2	19.47	16.53	7.87	7.87	8.42	17.33	6.99	10.46	15.57	12.18	13.88	16.66	18.51	15.02	12.7
20000741	EL BAGHDADI	NADA	17.92	16.02	16.97	8.04	8.26	9.91	7.79	11.89	10.4	15.21	4.72	12.83	13.82	15.12	14.47	2.84	7.73	7.39	11.99
20000775	EL BARAKA	NOUHAILA	12.94	9.58	11.26	10.68	16.46	10.16	6.65	16.97	13.82	16.83	16.92	13.68	5.57	12.49	9.03	12.58	4.22	10.93	11.48
20007042	EL FERCHOUNI	SOUKAYNA	2.24	2.43	2.33	10.49	13.69	13.93	4.78	7.08	5.84	17.96	9.33	10.31	16.35	3.99	10.17	7.74	17.18	14.59	9.53
19001439	EL FICH	RIHAB	10.06	17.99	14.02	2.63	15.56	8.06	5.65	13.74	12.53	15.47	10.86	10.28	11.19	4.46	7.82	12.71	5.05	7.24	9.99
20000780	EL HABTI	NAJOUA	8.7	10.44	9.57	10.45	5.57	6.27	3.05	6.58	5.39	5.28	15.44	12.29	6.07	15.5	10.79	2.6	12.55	10.59	9.15
20003925	EL HADDAD	MOHAMED	12.67	19.36	16.02	6.7	18.27	9.43	4.28	18.24	9.03	9.06	8.71	7.48	7.32	2.32	4.82	7.38	5.53	7.67	9.07
19006658	EL HARIRI	KENZA	4.73	6.97	5.85	10.93	16.01	10.6	13.17	16.88	15.7	15.87	14.27	15.95	5.87	18.09	11.98	17.04	7.34	14.55	12.44
20000755	EL HARRACHI	ABDERRAHMANE	7.53	18.24	12.88	17.61	15.7	12.01	10.98	9.24	11.21	10.17	8.29	9.68	19.24	9.33	14.29	10.63	11.93	9.31	11.56
20000716	EL MAFTOUHI	BILAL	17.64	5.64	11.64	15.11	17.98	13.84	11.09	11.99	12.12	7.43	11.02	11.58	15.33	16.33	15.83	18.59	7.06	12.01	12.84
18008815	EL MAIMOUNI	MOHAMED AMINE	15.84	19.45	17.64	7.88	7.57	7.18	12.32	9.82	11.13	4.54	9.71	10.1	16.48	15.03	15.75	19.36	16.89	13.5	12.55
20006989	EL MOUMOUHI	HOUDA	6.11	7.45	6.78	17.41	8.67	11.12	17.47	9.47	11.79	5.57	4.36	5.49	13.81	3.4	8.61	9.11	8.77	7.29	8.51
20007067	EL OMARI	IMANE	10.25	15.84	13.04	14.15	14.17	10.33	6.4	9.66	10.57	6.84	17.01	12.63	15.01	19.76	17.39	4.06	3.53	5.94	11.65
19001413	EL YAMLAHI	AICHA	12.4	9.27	10.84	9.31	2.06	7.35	16.9	3.37	9.3	11.59	7.11	10.34	18.79	9.0	13.89	18.08	18.57	15.44	11.19
17004026	EL YAZGHI	MARYEM	9.7	15.56	12.63	14.69	6.95	8.66	9.59	8.2	7.66	11.86	7.75	7.68	19.68	3.7	11.69	4.3	7.12	8.55	9.48
20000759	ENNAJARI	OUMAIMA	9.9	6.84	8.37	6.08	11.47	7.02	9.99	19.28	11.16	9.9	4.59	11.23	12.84	8.85	10.84	6.95	10.17	10.77	9.9
19005693	ESSAIH	ASMAE	5.84	2.83	4.33	13.9	10.06	10.11	10.51	2.52	6.41	17.28	19.04	15.49	11.73	14.23	12.98	18.58	18.94	18.01	11.22
20000777	GLIOUAL	YASSINE	14.82	19.26	17.04	10.52	14.83	9.99	2.39	8.35	6.81	6.32	9.4	7.18	10.01	18.13	14.07	6.09	14.91	8.66	10.62
19005656	GOMAIRI	HAMZA	8.3	19.5	13.9	7.74	10.1	12.41	6.82	10.32	11.74	11.76	12.21	13.61	10.01	19.96	14.98	13.39	18.58	14.46	13.52
20002433	HAMDAN	KARIMA	11.78	18.78	15.28	15.57	7.98	13.73	13.8	6.62	11.36	6.06	4.85	4.83	7.48	19.19	13.34	10.98	14.7	10.7	11.54

20002532	HARRAK	YOUSSEF	14.02	4.37	9.2	14.0	12.1	9.43	2.76	18.55	12.58	10.16	10.49	8.55	9.19	13.03	11.11	5.7	3.79	4.14	9.17
20000763	HAYAOUI	MOUAD	11.5	4.78	8.14	19.4	4.83	12.3	9.28	10.73	12.91	9.44	17.24	13.3	6.79	7.45	7.12	9.37	18.12	11.24	10.83
20000740	HIMMI	HAJAR	16.93	18.47	17.7	13.3	11.93	12.42	3.47	16.34	11.59	13.34	4.33	9.5	2.35	17.11	9.73	2.27	12.91	10.05	11.83
20002137	IDRISSI	YASSINE	7.18	11.68	9.43	3.88	7.03	6.03	18.67	10.35	12.28	3.83	13.36	10.83	9.8	11.3	10.55	12.9	8.99	10.92	10.01
20006985	JAADA	ZAHAIRA	16.55	15.81	16.18	12.83	4.77	7.05	3.84	10.38	6.37	15.25	15.96	14.04	3.49	18.89	11.19	18.76	4.92	13.43	11.38
20002554	KACHAR	NABIL	17.99	16.85	17.42	7.11	14.61	11.52	18.62	13.49	15.42	10.34	16.85	10.97	9.98	14.48	12.23	19.35	4.92	11.33	13.15
20009742	KDIDAR	HAJAR	17.92	12.29	15.11	14.85	12.72	14.51	18.33	11.78	13.52	6.98	11.61	11.05	10.12	3.37	6.74	12.29	5.74	11.31	12.04
19006706	KEFFAOUI	NOHA	17.89	18.13	18.01	14.97	18.02	13.71	5.4	6.37	8.26	18.55	13.82	16.3	15.32	19.23	17.27	16.63	12.53	15.9	14.91
20006930	KHALLOUFI	AYA	18.69	2.98	10.84	14.63	12.45	15.55	18.87	16.58	14.09	8.15	7.12	6.56	5.61	3.27	4.44	9.06	10.35	11.98	10.58
20000754	LAABADI	HOUDA	13.99	17.74	15.86	13.04	16.5	12.38	4.17	11.4	8.14	18.56	14.46	16.94	11.19	9.72	10.46	9.95	9.03	7.41	11.86
19002804	LAHOIENI	ABDERRAHIM	15.1	14.16	14.63	13.63	6.72	13.12	19.93	12.97	12.65	7.17	12.38	7.46	3.16	7.77	5.46	18.31	17.09	17.01	11.72
19001375	LAKRAMAT	HASNAE	16.85	17.7	17.27	2.99	10.97	8.03	19.32	15.93	13.81	14.06	3.67	9.73	12.26	6.24	9.25	5.86	7.39	9.62	11.28
20000731	MOUNTASSIR	REDA	15.65	9.61	12.63	11.79	11.51	9.3	10.85	15.59	13.74	6.75	10.44	12.11	5.01	19.81	12.41	14.55	16.3	12.3	12.08
20000513	NAYMA	OMAYMA	8.66	2.96	5.81	7.89	13.51	7.85	13.66	5.81	8.65	17.93	17.31	13.54	18.01	14.26	16.14	14.76	3.1	12.02	10.67
20007695	RANBOUK	LAMIAE	7.23	8.97	8.1	13.44	12.27	13.52	16.51	13.0	12.85	9.77	19.02	13.65	10.73	12.97	11.85	4.45	2.69	6.96	11.16
19006284	RAYES	ABDELKOUDOUS	7.82	9.47	8.64	14.66	7.5	8.34	6.23	4.13	6.49	13.99	17.64	15.46	18.5	8.11	13.3	6.94	12.39	12.26	10.75
20000721	SAMADI	IMAD	10.13	2.4	6.27	19.54	18.71	17.11	9.29	19.05	15.47	8.21	15.95	12.87	8.43	12.43	10.43	7.61	11.47	11.51	12.28
20000491	SAMADI	MARIA	2.96	15.32	9.14	19.85	4.34	9.76	2.91	11.34	10.09	3.87	19.77	13.2	8.68	5.94	7.31	12.43	14.1	12.38	10.31
20002123	ZAUI	OUSSAMA	7.11	8.64	7.88	6.82	7.12	8.89	13.79	11.39	9.72	17.69	17.81	14.54	4.08	19.89	11.98	17.08	6.88	13.36	11.06

# 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	14.43	18.36	16.39	2.1	19.76	10.07	17.22	10.04	12.3	4.97	18.12	11.54	11.31	13.69	12.5	3.06	7.86	9.96	12.13
19001211	ACHERNAN	MOHAMED	8.65	3.58	6.12	17.04	8.08	13.5	4.24	9.29	7.56	11.25	15.82	13.54	8.28	11.73	10.0	10.53	19.54	13.6	10.72
19001137	AFOUD	HIND	4.62	15.47	10.04	18.56	2.21	12.65	8.78	18.25	15.2	12.22	10.87	11.54	16.52	4.1	10.31	18.47	5.79	12.85	12.1
20000734	AIT OUKHADI	SELMA	10.45	14.54	12.49	8.08	17.67	10.88	2.77	18.67	12.39	14.87	5.19	10.03	19.76	15.21	17.48	7.02	13.67	9.45	12.12
20000761	AKIIRNE	AMAL	7.1	11.27	9.18	16.82	17.68	12.76	19.47	6.19	9.85	11.88	14.28	13.08	9.26	19.41	14.34	9.89	15.44	10.14	11.56
19001276	AMHAOUECH	WIAM	12.41	11.69	12.05	6.95	5.59	7.32	5.44	14.9	10.24	5.41	2.34	3.88	8.72	19.87	14.3	12.78	16.95	15.39	10.53
20001244	AMINE	TAHA	13.92	10.05	11.98	2.03	16.9	7.82	12.68	16.02	15.63	7.46	12.09	9.78	4.51	9.66	7.08	11.5	15.19	9.94	10.37
20000493	ARRAB	HAFFSA	17.4	5.71	11.55	11.12	5.87	10.7	4.42	11.37	8.25	19.94	10.8	15.37	16.8	9.49	13.14	16.77	2.32	8.9	11.32
20006988	BAJJI	AMINE	7.38	14.91	11.14	15.83	15.51	14.87	7.32	16.19	14.45	13.33	5.99	9.66	13.4	17.45	15.43	8.96	14.63	12.53	13.01
20007078	BENAMRI	AYMANE	18.26	12.66	15.46	13.97	13.87	10.96	2.58	13.75	8.64	5.38	19.89	12.63	8.84	2.23	5.54	3.64	15.97	12.86	11.02
20000758	BENATTOU	IHSANE	17.46	9.83	13.64	3.27	13.34	7.28	15.16	5.69	12.78	13.7	13.24	13.47	3.51	10.43	6.97	18.66	13.85	15.65	11.63
20000757	BENATTOU	IMANE	5.47	17.51	11.49	12.84	13.38	10.65	2.68	18.49	11.05	2.62	11.92	7.27	12.49	5.71	9.1	14.8	8.92	14.1	10.61
19002165	BENTOUFILE	OUSSAMA	5.84	4.86	5.35	9.08	15.89	10.61	15.86	18.01	16.63	15.91	11.65	13.78	10.6	15.74	13.17	8.2	4.71	9.98	11.59
20000730	BOUALI	MAROUA	13.5	15.91	14.71	17.12	4.26	11.79	7.16	11.83	7.69	13.53	16.28	14.91	12.1	12.27	12.18	4.07	7.51	5.03	11.05
20002424	BOUKTAIB	SOUFIAN	7.04	3.87	5.46	4.09	13.46	8.43	3.52	13.75	9.12	13.67	3.54	8.61	10.27	11.98	11.12	15.85	15.8	15.31	9.67
20000771	BOULAID	SARA	19.8	5.66	12.73	5.4	14.23	11.7	12.99	13.95	10.91	12.05	11.17	11.61	16.81	18.85	17.83	12.72	5.79	11.01	12.63
20007025	CHANAA	AIMANE	10.27	7.55	8.91	7.65	10.04	6.69	8.59	3.7	7.71	16.38	19.12	17.75	16.91	4.64	10.78	13.93	7.58	8.85	10.11
20007161	CHATT	ANAS	15.8	14.09	14.95	8.45	8.12	8.42	2.03	19.88	12.81	16.85	11.04	13.95	5.81	14.68	10.24	13.23	5.8	10.53	11.82
20004313	DAHRABOU	DOHA	12.51	16.27	14.39	3.02	16.39	10.92	14.79	2.04	8.11	8.22	13.57	10.89	2.02	16.53	9.28	15.81	3.72	10.38	10.66

20007051	DAOUDI	AYA	10.86	17.41	14.13	5.51	5.89	4.62	12.76	15.11	10.66	7.47	2.98	5.22	7.1	17.08	12.09	8.72	17.45	11.0	9.62
20002432	ECHBERAAL	ANASS	5.97	16.89	11.43	6.09	6.46	6.4	14.03	7.65	11.32	4.86	13.29	9.07	16.8	11.14	13.97	2.99	5.44	8.98	10.2
20002251	EL AALOUC	MOHAMMED	12.4	12.12	12.26	12.59	11.39	10.44	7.52	5.65	5.25	15.09	10.43	12.76	14.91	9.3	12.11	3.86	19.22	11.38	10.7
20002670	EL ASSIRI	AHLAM	15.01	7.08	11.04	5.51	8.84	9.95	5.7	11.37	7.09	9.92	18.79	14.36	14.23	9.14	11.69	18.22	9.0	13.25	11.23
20000742	EL AZOUAN	AYA	18.33	16.84	17.59	6.77	8.86	11.04	9.51	4.45	8.3	19.64	15.72	17.68	4.23	3.39	3.81	9.73	10.32	8.98	11.23
20000741	EL BAGHDADI	NADA	10.05	11.11	10.58	14.68	10.54	13.95	18.29	11.87	13.85	19.71	6.22	12.96	8.57	14.71	11.64	8.11	5.85	10.79	12.3
20000775	EL BARAKA	NOUHAILA	13.36	2.6	7.98	3.63	14.01	11.08	17.48	18.35	15.83	2.45	14.97	8.71	17.12	16.14	16.63	2.34	13.29	9.79	11.67
20007042	EL FERCHOUNI	SOUKAYNA	14.09	14.48	14.29	12.29	18.18	13.52	17.23	9.68	12.45	8.69	10.92	9.8	10.06	2.13	6.1	11.48	12.22	12.25	11.4
19001439	EL FICH	RIHAB	14.86	18.08	16.47	7.71	7.3	7.31	17.27	19.26	18.35	11.43	19.33	15.38	15.49	3.94	9.71	8.71	18.73	11.5	13.12
20000780	EL HABTI	NAJOUA	17.61	14.66	16.13	17.46	6.02	8.89	3.22	17.21	9.06	6.07	6.38	6.22	12.29	2.25	7.27	19.17	13.17	12.97	10.09
20003925	EL HADDAD	MOHAMED	4.46	9.27	6.87	10.12	11.36	12.95	7.05	15.86	9.85	19.93	19.31	19.62	14.12	2.52	8.32	11.65	8.46	9.01	11.1
19006658	EL HARIRI	KENZA	9.71	2.56	6.14	6.33	11.65	9.61	17.36	14.97	17.27	12.99	19.76	16.38	14.93	2.93	8.93	17.53	15.1	17.13	12.58
20000755	EL HARRACHI	ABDERRAHMANE	19.21	19.25	19.23	12.9	5.36	10.18	3.57	3.34	3.27	8.06	10.75	9.41	9.63	9.45	9.54	12.19	15.98	13.12	10.79
20000716	EL MAFTOUHI	BILAL	3.05	9.56	6.3	13.81	11.51	14.6	6.37	7.31	10.5	13.79	4.61	9.2	19.46	19.73	19.59	15.91	3.39	8.95	11.53
18008815	EL MAIMOUNI	MOHAMED AMINE	8.19	5.01	6.6	17.47	9.02	12.75	14.89	18.34	14.94	9.21	11.86	10.54	12.03	10.56	11.29	9.52	8.66	8.7	10.8
20006989	EL MOUMOUHI	HOUDA	10.8	15.8	13.3	5.0	8.12	5.11	5.99	3.46	7.63	5.58	3.23	4.41	13.89	15.79	14.84	8.86	13.94	13.4	9.78
20007067	EL OMARI	IMANE	17.56	16.42	16.99	17.6	12.08	13.53	8.42	6.18	9.1	7.78	6.76	7.27	3.97	19.93	11.95	6.17	16.07	11.72	11.76
19001413	EL YAMLAHI	AICHA	18.07	12.68	15.38	7.95	3.6	7.37	2.24	14.8	12.27	15.03	11.07	13.05	7.35	14.31	10.83	9.6	2.76	5.64	10.75
17004026	EL YAZGHI	MARYEM	9.66	7.03	8.35	10.87	19.6	11.31	11.46	11.17	10.17	8.64	13.66	11.15	5.77	19.56	12.66	6.56	17.31	11.92	10.93
20000759	ENNAJARI	OUMAIMA	4.35	11.06	7.71	4.19	17.72	13.75	7.44	11.28	9.31	16.99	9.17	13.08	6.01	9.1	7.55	4.33	3.31	6.58	9.66
19005693	ESSAIH	ASMAE	3.16	8.76	5.96	15.57	10.94	9.56	7.52	13.32	9.48	11.35	18.37	14.86	15.39	2.58	8.98	12.54	10.63	10.85	9.95
20000777	GLIOUAL	YASSINE	8.75	7.3	8.03	15.58	4.78	11.74	3.22	18.6	13.77	15.03	5.09	10.06	14.79	19.77	17.28	12.83	8.49	13.39	12.38
19005656	GOMAIRI	HAMZA	2.42	8.7	5.56	8.88	17.36	14.18	16.41	5.46	13.62	19.44	9.27	14.36	2.63	8.73	5.68	6.13	14.48	11.87	10.88

20002433	HAMDAN	KARIMA	17.75	7.11	12.43	9.79	16.38	13.11	12.74	2.59	5.78	13.18	2.26	7.72	5.86	9.85	7.86	18.71	17.21	13.16	10.01
20002532	HARRAK	YOUSSEF	14.12	17.65	15.88	6.42	18.2	13.28	11.03	15.74	10.02	7.7	5.6	6.65	15.29	10.71	13.0	6.76	16.19	9.91	11.46
20000763	HAYAOUI	MOUAD	2.94	12.81	7.88	3.67	8.27	6.28	5.76	11.42	7.57	11.33	19.16	15.25	13.33	5.32	9.32	4.09	6.04	7.6	8.98
20000740	HIMMI	HAJAR	3.93	4.28	4.11	19.4	11.04	14.52	19.48	6.04	11.71	16.12	5.84	10.98	7.47	10.64	9.05	18.24	14.5	13.92	10.72
20002137	IDRISSI	YASSINE	17.64	10.93	14.29	19.76	14.1	12.45	19.33	15.32	14.63	12.01	17.37	14.69	5.77	6.74	6.25	10.15	16.78	12.2	12.42
20006985	JAADA	ZAHAIRA	14.77	12.31	13.54	5.62	5.53	10.05	11.78	16.97	13.01	7.77	17.01	12.39	5.64	19.93	12.79	4.49	17.92	8.45	11.7
20002554	KACHAR	NABIL	13.34	12.93	13.13	14.64	14.07	11.5	15.34	6.53	11.76	2.19	6.44	4.32	13.52	2.14	7.83	6.07	6.37	8.51	9.51
20009742	KDIDAR	HAJAR	17.38	17.77	17.57	5.16	16.32	11.53	13.67	10.22	13.25	6.03	10.63	8.33	15.91	17.29	16.6	11.33	12.03	12.66	13.32
19006706	KEFFAOUI	NOHA	9.57	9.28	9.43	16.36	2.97	12.45	3.58	2.36	8.04	10.55	19.61	15.08	4.2	12.41	8.3	19.0	2.03	10.94	10.71
20006930	KHALLOUFI	AYA	7.82	10.59	9.21	15.18	4.65	9.71	4.97	2.71	9.11	11.77	14.64	13.21	15.31	8.51	11.91	19.57	17.11	17.72	11.81
20000754	LAABADI	HOUDA	19.15	6.61	12.88	18.56	14.22	16.9	3.05	7.61	5.1	15.86	7.95	11.9	11.48	15.05	13.27	10.58	10.35	8.26	11.38
19002804	LAHOIENI	ABDERRAHIM	8.27	16.81	12.54	18.98	3.14	12.09	18.07	17.01	13.45	13.26	6.85	10.05	10.35	12.89	11.62	14.06	13.16	12.52	12.05
19001375	LAKRAMAT	HASNAE	16.89	12.46	14.68	4.49	14.17	9.54	17.22	9.68	13.9	14.42	4.36	9.39	17.62	4.22	10.92	14.22	17.54	15.85	12.38
20000731	MOUNTASSIR	REDA	13.62	2.26	7.94	4.58	16.03	8.61	5.86	17.96	11.59	8.91	3.73	6.32	7.71	13.36	10.54	19.44	7.68	14.36	9.89
20000513	NAYMA	OMAYMA	6.47	16.75	11.61	14.8	6.81	13.72	15.48	11.89	15.21	18.14	18.67	18.41	5.93	11.65	8.79	15.12	14.57	13.99	13.62
20007695	RANBOUK	LAMIAE	9.75	12.94	11.34	3.14	10.81	8.07	12.64	14.7	15.01	14.3	11.6	12.95	17.86	19.21	18.54	11.97	6.29	9.12	12.51
19006284	RAYES	ABDELKOUDOUS	16.78	12.03	14.41	19.7	3.7	13.02	12.99	12.51	12.29	8.7	14.28	11.49	13.82	8.49	11.16	2.49	19.23	11.87	12.37
20000721	SAMADI	IMAD	4.66	9.88	7.27	4.03	6.64	5.1	13.19	2.35	10.85	3.56	2.52	3.04	13.24	18.6	15.92	11.69	14.73	12.53	9.12
20000491	SAMADI	MARIA	11.21	19.8	15.51	5.56	11.01	7.56	9.34	17.0	14.51	2.24	4.6	3.42	17.08	15.49	16.29	18.35	14.66	12.71	11.66
20002123	ZAOUI	OUSSAMA	17.42	10.31	13.87	12.07	16.69	13.1	12.19	9.52	9.21	7.8	2.58	5.19	11.94	19.97	15.95	18.67	9.5	14.85	12.03