

Project 2 — Parallel Merge Sort (Fork/Join)

ملاحظات	التوقيع	الدرجة	اسم الطالب	كود الطالب
			حسام علاء الدين عبد المنعم عبد الله	20210284
			احمد محمد احمد علي عويس	20230039
			نور محمد هيثم عبدالحميد	20230630
			عمر خالد محمد علي حامد	20210601
			مصطفى عتريس عبدالعزيز إبراهيم	20220484
			سلمى أيمن الدسوقي	20220206

Component	Max	Awarded	Notes
Functional (Seq + Parallel)	6		
Parallel design & performance	5		
OOP design & code quality	2		
Report & presentation	2		
Oral/quiz (individual)	5		
Base total	20		
Bonus	+5		
Final	/20 + bonus		

A) Functional (6)

- [] Merge/boundary bug (-1)
- [] Empty/size-1/reverse fails (-1)
- [] Parallel != sequential (-2)
- [] No validation vs Arrays.sort (-1)

C) OOP (2)

- [] Task/merge/runner mixed (-1)
- [] Readability/duplication issues (-0.5)

B) Parallel (5)

- [] No threshold / bad granularity (-1)
- [] Excessive copying/allocations (-1)
- [] No credible benchmark (-1)
- [] No baseline or overhead discussion (-1)

D) Report (2)

- [] Missing split/merge + threshold rationale (-1)
- [] Missing results table/graph (-1)