**RIASEC Scoring**

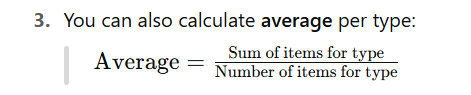
**Rating**

| **Score** | **Meaning (English)** | **Arabic** |
| --- | --- | --- |
| **1** | Dislike / Not like me | لا أحب / لا تنطبق عليّ |
| **2** | Neutral / Sometimes | محايد / أحيانًا تنطبق |
| **3** | Like / Very much like me | أحب / تنطبق عليّ جدًا |

**Scoring**

1. **Sum** all item scores for each type separately.  
   Example: If there are **10 items per type**, and the student answered mostly 3s and 2s:
   * **R = 25**
   * **I = 26**
   * **A = 20**
   * **S = 28**
   * **E = 21**
   * **C = 24**
2. The **three highest totals** form the student’s **Holland Code**.

Example: S (28), I (26), R (25) → **SIR**



This is useful if different types have different numbers of statements.

**RIASEC Domains & Sample Modernized Items (Gen Z / Gen Alpha)**

| **Type** | **Meaning** | **Sample Modernized Items (10 / 30)** |
| --- | --- | --- |
| **R – Realistic (Doers)** | Hands-on, tools, physical tasks | fix gadgets, assemble Lego or furniture, garden or plant, do sports training, build with DIY kits, cook or bake, set up gaming gear, use VR hardware, explore robotics, help in school maintenance |
| **I – Investigative (Thinkers)** | Explore, analyze, problem-solve | solve puzzles, design science experiments, code small apps, read about space or AI, test “what-if” ideas, do math challenges, analyze data in spreadsheets, watch science channels, question how things work, join STEM fairs |
| **A – Artistic (Creators)** | Expressive, imaginative, design | draw digital art, write blogs or stories, compose music beats, film/edit videos, decorate rooms, design fashion, craft TikTok content, design websites, create posters, improvise acting or skits |
| **S – Social (Helpers)** | Support, teach, care | tutor classmates, volunteer, help friends solve issues, coach younger kids, participate in community drives, mentor online, listen to others’ feelings, organize study groups, support school events, comfort peers |
| **E – Enterprising (Persuaders)** | Lead, sell, influence | lead group projects, pitch ideas, organize school events, sell fundraiser items, start small ventures, debate topics, promote causes online, manage a team in games/clubs, host podcasts, plan social media campaigns |
| **C – Conventional (Organizers)** | Structure, order, accuracy | arrange schedules, keep notes organized, manage budgets, track scores, use planners/apps, input data, label folders, handle forms, manage spreadsheets, maintain to-do lists |

## **Scoring Algorithm**

1. **Sum** the ratings per RIASEC type.
   * 60-item form: max = 30 pts per type
   * 180-item form: max = 90 pts per type
2. **Rank** totals highest → lowest.
3. **Top 3** letters = student’s **Holland Code** (e.g., **SIA**).
4. (Optional) Compute average = total ÷ #items per type for comparison.

Example (60-item form)

R = 26, I = 22, A = 18, S = 27, E = 25, C = 21

→ Code = SRE

## **Implementation Algorithm (Pseudocode)**

types = ['R','I','A','S','E','C']

scores = {t:0 for t in types}

for item in responses: # responses = list of (type, rating)

scores[item.type] += item.rating

sorted\_types = sorted(scores.items(), key=lambda x: x[1], reverse=True)

holland\_code = ''.join([t[0] for t in sorted\_types[:3]])