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| Identifier | Priority | Requirement | Title | Steps | Expected results | Status | Comment |
| TR\_PR.1 | 1 | All homework should be posted on github | Open repository link with homework | 1.open link <https://github.com/GorshkovaYuliya/GIT-1>  2.find branch task\_DEV-7  3.open branch | 1.a repository on the github is opened  2. there is a branch with required name  3. there is java files .java | Passed |  |
| TR\_PR.2 | 1 | The program must be compiled | Open IDE and run the program | 1.open in IntelliJ Idea project Triangles  2. open window run and push run | 1.project is exist and opens  2.project run without errors | Passed |  |
| TR\_PR.3 | 2 | Triangle gets 3 sides from console. | Enter 3 sides | Run the program:  enter 3 sides from console | program must outputs a type of a triangle | Passed |  |
| TR\_PR.4 | 3 | The sides can be all type variables. | Enter integer or double sides | Run the program:  Enter 2 numbers of integer type from console, and one double type | program must outputs a type of a triangle | Passed |  |
| TR\_PR.5 | 3 |  | Enter an existing triangle | Run the program:  Enter three sides of existing triangle from the console | program must outputs a type of a triangle | Passed |  |
| TR\_PR.6 | 4 |  | Enter sides of not existing triangle | Run the program:  Enter three sides of existing triangle from the console | Program must output “Triangle is not exist” | Passed |  |
| TR\_PR.6 | 3 |  | Enter nothing | Run the program:  Press 3 times enter | Program must output “The sides are empty. Reenter” | Failed | Infinite cycle. Program is waiting for entering 3 sides. |
| TR\_PR.7 | 4 |  | Enter negative numbers | Run the program:  Enter 2 negative sides and one positive | Program must output “Triangle is not exist” | Passed |  |
| TR\_PR.8 | 3 |  | Enter any symbols | Run the program:  Enter 1 number “12” side and two symbol sides “qwe” and “!@!” | Program must output “Entered values are not numbers  Enter <Yes> to continue, press < No > otherwise”” | Passed |  |
| TR\_PR.9 | 5 |  | Enter Yes answer | Run the program:  1.Enter 3 sides “2”, ”2”, ”2”  2.Enter “Yes” from console | 1. program output the type of the triangle and suggest enter “Yes” or “No” for continue or for closure  2. program output “Enter sides of the triangle, please” | Passed |  |
| TR\_PR.9 | 5 |  | Enter “Yes” answer when selecting the continuation of the program | Run the program:  1.Enter 3 sides “2”, ”2”, ”2”  2.Enter “Yes” from console | 1. program output the type of the triangle and suggest enter “Yes” or “No” for continue or for closure  2. program output “Enter sides of the triangle, please” | Passed |  |
| TR\_PR.10 | 5 |  | Enter “yes” answer when selecting the continuation of the program | Run the program:  1.Enter 3 sides “2”, ”2”, ”2”  2.Enter “yes” from console | 1. program output the type of the triangle and suggest enter “Yes” or “No” for continue or for closure  2. program output “Enter sides of the triangle, please” | Passed |  |
| TR\_PR.11 | 5 |  | Enter “No” answer when selecting the continuation of the program | Run the program:  1.Enter 3 sides “2”, ”2”, ”2”  2.Enter “No” from console | 1. program output the type of the triangle and suggest enter “Yes” or “No” for continue or for closure  2. program output “The program is finishing its work. Bye” | Passed |  |
| TR\_PR.12 | 5 |  | Enter “no” answer when selecting the continuation of the program | Run the program:  1.Enter 3 sides “2”, ”2”, ”2”  2.Enter “no” from console | 1. program output the type of the triangle and suggest enter “Yes” or “No” for continue or for closure  2. program quits | Failed |  |
| TR\_PR.13 | 5 |  | Enter a set of random characters when selecting the continuation of the program | Run the program:  1.Enter 3 sides “2”, ”2”, ”2”  2.Enter “qw11” from console | 1. program outputs “Don’t suitable symbols. Enter again” | Failed |  |
| TR\_PR.14 | 2 | Program must detect equilateral triangle | Enter equal sides | Run the program:  1.Enter 3 sides “2”, ”2”, ”2” | 1. program output the type of the triangle : “This triangle is equilateral” | Passed |  |
| TR\_PR.15 | 2 | Program must detect isosceles triangle | Enter 2 equal sides and any one | Run the program:  1.Enter 3 sides “2”, ”2”, ”1” | 1. program output the type of the triangle : “This triangle is isosceles” | Passed |  |
| TR\_PR.16 | 2 | Program must detect ordinary triangle | Enter 3 sides of existing triangle | Run the program:  1.Enter 3 sides “1”, ”2”, ”3” | 1. program output the type of the triangle : “This triangle is ordinary” | Passed |  |

Result: **total-16**, successfully completed -13, failed - 3