Assignament 1. (what, Hew, Renells)

Geekberch's CPU benchmark is broken doron into a number of key tests that have a single-reare and multi-core section. Each section is grouped into too subsictions integer workloads rend floating point workloads.

Geekbench Lexts the sability of your olevice's chipset, it tests relifferent types of workboads split into categories. These categories are split into productivity, developer, machine learning and

image synthesis.

Scores are reemputed using a weighted arithmetic mean of subsection scores, with the integer subjection accounting for 65%. It score and the floading point subjection accounting for the remaining 35%.

the remaining 35%

Gelebeuch 6 measures your processor's single-rore and multi-core power, for everything from checking your email to taking a picture to playing music, or rall of it rat once. Geelebench 6's con benchmarke measures performance in new application areas including Augmented Reality and Machine Learning, so you'll know how close you'r system 15 to the reutting-ldge

File compression workloads text how good your device is set compressing and decompressing files using different compression format. It models us cases where a user may look to compress a file to send to someone else in order to reduce data and bandroichthe It compresses the Ruby 3.1.2 source varchive, which is a 75 HB archive

containing 9841 files, uning LZ4 and ZSTD compression. It then verifies the comparted files via an 8HA-1 hash.

ATMLE Browser - opens a number of ATMLE pages and models a with browing the web in a modern brown such as chrone I Safari. It was a headless brown and opens, parms, lays out, renders feets and images band on popular sites, including Instagram, Wikipedia, etc. This text renders eight pages in single core moble and 52 pages in multi-core mode

Other dests include developer workloads: text processing, Asset compressions; machine learning workloads: deject detection, background blur; mage edeleng object remover, etc.

- It is a computer bunchmarking tool created and developed by UL, to observaine the performance of a computer's 3 & graphic rendering and CPU workload processing capabilities. Running 3s Harle produces a 3s Mark score, with higher nownburs indicating better performance.
- Sdeel Momad (Cross-platform, mon-raytraced to endermark for high-end gaming PCx) it was graphics technologies just like your favourite more game titles to give you a good idea of how your system will run the latest heavy PC games. It runs at a 4 k resolution, and adds nero graphics technologies like volumetric skies, procedural gras, volume illumination, ambient occlusion.
- Solar Bay (Ray tracing benchmark for lightweight and mobile devices) it's obvigated for measuring gaining with ray-tracing performance on phones and tactets. The ray traced worklood increases linearly over three stages, litting you for see how your device brandles a vaniety of ray traced gaining workloods.
- Storage Bendimark (SS & performance text for gamers) dedicated to catesting the SSD and offer storage hardware. It supports all the latest storage technologies and texts practical, real world gaming performance for activities such as looking games, saving progress, installing game files and recording gameplay video stuams
- CPU Profele (CPU bendemarks for modern processors)

 Journal of producing a single number, the 3B Mark CPU Hofle

 shows how CPU pryormance scales with the number of cores and

 threads used The CPU Profele has six tests that use 1,2, 4,8,16 or

 the max number of available threads, these tests help you bendmark

 rand compare CPU performance for gaming, overclocking and other

 scenarios
- stress Texts (Check the reliability and stability of your PC) It can help you identify faulty hardware or a mud for better cooling