

Intel offload advisor using shell script

v1

Below is the sample command to run an application with intel offload advisor:

```
advisor --collect=offload --config=gen12_tgl --project-dir=./mmul_report --  
./mmult_serial
```

Write a shell script to run any executable file with intel offload advisor. The shell script should:

- load the required modules for running advisor (ask the user the name of the advisor module and load it using the module load command)
- ask the user for config (target gpu name)
- ask the user for the path to the executable file
- ask the user for the path to the project directory (it can be any name)

Based on the input given by the user, the script should create and run the advisor command and generate the report

v2

Create a check for allowed values for gpu name: xehpg_256xve, xehpg_512xve, gen12_tgl, gen12_tg1, gen11_icl, gen9_gt2, gen9_gt3, gen9_gt4. Ensure only the above values are allowed in the config option. If the user gives any input other than the options provided above, script should give a prompt and ask the user to input the correct value again

v3

Don't hardcode the module name in the shell script. Instead, show the user list of available advisor modules and ask the user to select one of those

v4

Give the options to the user for compiling the code

Hint: Ask for .c or c++ file and compile it using gcc or g++ compiler. For this, write the below command in the shell script

```
g++ -o output_name file_name
```

v5

Check the executable and project directory path

v6:

Open the generated report using the Firefox browser (xdg-open)