**I. Image Prompt Generation**

**MSCOCO**

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 5000 --previous\_bound 0 --gpu\_id 0 > output.log 2>&1 &

*DONE*

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 10000 --previous\_bound 5000 --gpu\_id 0 > output.log 2>&1 &

*DONE*

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 15000 --previous\_bound 10000 --gpu\_id 0 > output.log 2>&1 &

*DONE*

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 20000 --previous\_bound 15000 --gpu\_id 0 > output.log 2>&1 &

*DONE*

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 25000 --previous\_bound 20000 --gpu\_id 0 > output.log 2>&1 &

*ONGOING*

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 30000 --previous\_bound 25000 --gpu\_id 0 > output.log 2>&1 &

*ONGOING*

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 35000 --previous\_bound 30000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 40000 --previous\_bound 35000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 45000 --previous\_bound 40000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 50000 --previous\_bound 45000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 55000 --previous\_bound 50000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 60000 --previous\_bound 55000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 65000 --previous\_bound 60000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 70000 --previous\_bound 65000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 75000 --previous\_bound 70000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 80000 --previous\_bound 75000 --gpu\_id 0 > output.log 2>&1 &

**CC3M**

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 5000 --previous\_bound 0 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 10000 --previous\_bound 5000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 15000 --previous\_bound 10000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 20000 --previous\_bound 15000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 25000 --previous\_bound 20000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 30000 --previous\_bound 25000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 35000 --previous\_bound 30000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 40000 --previous\_bound 35000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 45000 --previous\_bound 40000 --gpu\_id 0 > output.log 2>&1 &

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python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 55000 --previous\_bound 50000 --gpu\_id 0 > output.log 2>&1 &

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python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 75000 --previous\_bound 70000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 80000 --previous\_bound 75000 --gpu\_id 0 > output.log 2>&1 &

**VISUAL\_GENOME**

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 5000 --previous\_bound 0 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 10000 --previous\_bound 5000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 15000 --previous\_bound 10000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 20000 --previous\_bound 15000 --gpu\_id 0 > output.log 2>&1 &

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python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 75000 --previous\_bound 70000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "PROMPT\_GENERATION" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 80000 --previous\_bound 75000 --gpu\_id 0 > output.log 2>&1 &

**Image Captioning**

**MSCOCO**

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 5000 --previous\_bound 0 --gpu\_id 0 > output.log 2>&1 &

*DONE*

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 10000 --previous\_bound 5000 --gpu\_id 0 > output.log 2>&1 &

*DONE*

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 15000 --previous\_bound 10000 --gpu\_id 0 > output.log 2>&1 &

*DONE*

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 20000 --previous\_bound 15000 --gpu\_id 0 > output.log 2>&1 &

*DONE*

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 25000 --previous\_bound 20000 --gpu\_id 0 > output.log 2>&1 &

*ONGOING*

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 30000 --previous\_bound 25000 --gpu\_id 0 > output.log 2>&1 &

*ONGOING*

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 35000 --previous\_bound 30000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 40000 --previous\_bound 35000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name MSCOCO --max\_bound 45000 --previous\_bound 40000 --gpu\_id 0 > output.log 2>&1 &

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**CC3M**

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 5000 --previous\_bound 0 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 10000 --previous\_bound 5000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 15000 --previous\_bound 10000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 20000 --previous\_bound 15000 --gpu\_id 0 > output.log 2>&1 &

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python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name CC3M --max\_bound 80000 --previous\_bound 75000 --gpu\_id 0 > output.log 2>&1 &

**VISUAL\_GENOME**

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 5000 --previous\_bound 0 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 10000 --previous\_bound 5000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 15000 --previous\_bound 10000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 20000 --previous\_bound 15000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 25000 --previous\_bound 20000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 30000 --previous\_bound 25000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 35000 --previous\_bound 30000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 40000 --previous\_bound 35000 --gpu\_id 0 > output.log 2>&1 &

python ./main.py --functionality "IMG\_CAPTIONING" --project\_root [PROJECT\_PATH] --dataset\_name VISUAL\_GENOME --max\_bound 45000 --previous\_bound 40000 --gpu\_id 0 > output.log 2>&1 &

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