In [1]:
```python
import platform,socket,re,uuid,json,psutil,logging

def getSystemInfo():
    try:
        info={}
        info['platform']=platform.system()
        info['platform-release']=platform.release()
        info['platform-version']=platform.version()
        info['architecture']=platform.machine()
        info['hostname']=socket.gethostname()
        info['ip-address']=socket.gethostbyname(socket.gethostname())
        info['mac-address']=':'.join(re.findall('..', '%012x' % uuid.getnode()
        info['processor']=platform.processor()
        info['ram']=str(round(psutil.virtual_memory().total / (1024.0 **3)))+'
        return json.dumps(info)
    except Exception as e:
        logging.exception(e)

json.loads(getSystemInfo())
```

Out[1]:
```
{'platform': 'Linux',
 'platform-release': '5.15.0-1020-kvm',
 'platform-version': '#24-Ubuntu SMP Fri Oct 14 08:03:47 UTC 2022',
 'architecture': 'x86_64',
 'hostname': 'notfashion',
 'ip-address': '127.0.1.1',
 'mac-address': 'ab:4c:c0:b5:9f:73',
 'processor': 'x86_64',
 'ram': '16 GB'}
```

In [2]:
```
pip install torch==1.13.1+cpu torchvision==0.14.1+cpu -f https://download.pytc
```

Looking in links: https://download.pytorch.org/whl/torch_stable.html (http
s://download.pytorch.org/whl/torch_stable.html)
Collecting torch==1.13.1+cpu
  Using cached https://download.pytorch.org/whl/cpu/torch-1.13.1%2Bcpu-cp37-c
p37m-linux_x86_64.whl (https://download.pytorch.org/whl/cpu/torch-1.13.1%2Bcp
u-cp37-cp37m-linux_x86_64.whl)
Collecting torchvision==0.14.1+cpu
  Using cached https://download.pytorch.org/whl/cpu/torchvision-0.14.1%2Bcpu-
cp37-cp37m-linux_x86_64.whl (https://download.pytorch.org/whl/cpu/torchvision
-0.14.1%2Bcpu-cp37-cp37m-linux_x86_64.whl)
Collecting typing-extensions (from torch==1.13.1+cpu)
  Using cached https://download.pytorch.org/whl/typing_extensions-4.8.0-py3-n
one-any.whl (https://download.pytorch.org/whl/typing_extensions-4.8.0-py3-non
e-any.whl)
ERROR: typing-extensions requires Python '>=3.8' but the running Python is 3.
7.3
Note: you may need to restart the kernel to use updated packages.

In [9]:
```python
import platform

print(f"Python version: {platform.python_version()}")
print(f"Platform: {platform.system()} {platform.architecture()}")
```

```
Python version: 3.7.3
Platform: Linux ('64bit', '')
```

In [12]:
```
pip install intel_extension_for_pytorch-1.13.100+cpu-cp37-cp37m-linux_x86_64.w
```

```
Processing ./intel_extension_for_pytorch-1.13.100+cpu-cp37-cp37m-linux_x86_6
4.whl
Requirement already satisfied: psutil in ./snap/jupyter/common/lib/python3.7/
site-packages (from intel-extension-for-pytorch==1.13.100+cpu) (5.9.8)
Collecting numpy (from intel-extension-for-pytorch==1.13.100+cpu)
  Downloading https://files.pythonhosted.org/packages/6d/ad/ff3b21ebfe79a4d25
b4a4f8e5cf9fd44a204adb6b33c09010f566f51027a/numpy-1.21.6-cp37-cp37m-manylinux
_2_12_x86_64.manylinux2010_x86_64.whl (https://files.pythonhosted.org/package
s/6d/ad/ff3b21ebfe79a4d25b4a4f8e5cf9fd44a204adb6b33c09010f566f51027a/numpy-1.
21.6-cp37-cp37m-manylinux_2_12_x86_64.manylinux2010_x86_64.whl) (15.7MB)
        |████████████████████████████████| 15.7MB 9.1MB/s eta 0:00:01
Installing collected packages: numpy, intel-extension-for-pytorch
Successfully installed intel-extension-for-pytorch-1.13.100+cpu numpy-1.21.6
Note: you may need to restart the kernel to use updated packages.
```

In [2]:
```python
import intel_extension_for_pytorch as ipex
```

In [ ]:

In [ ]: