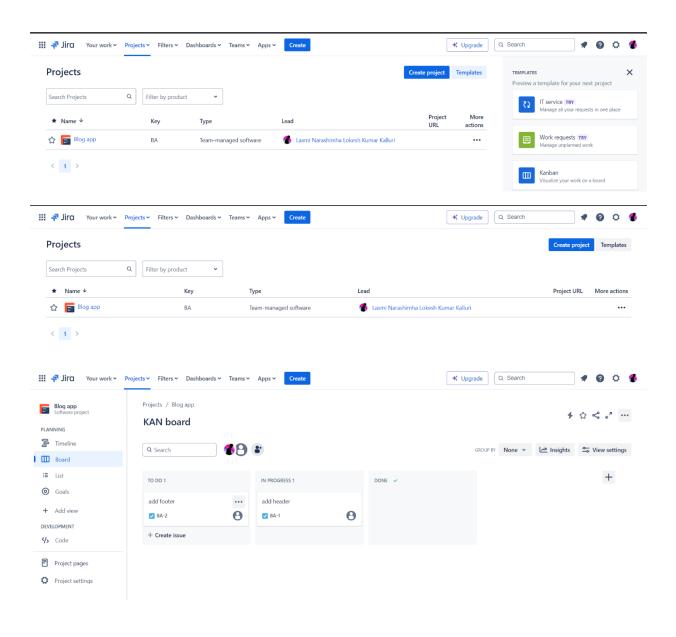Quiz 1 – 21131A0587

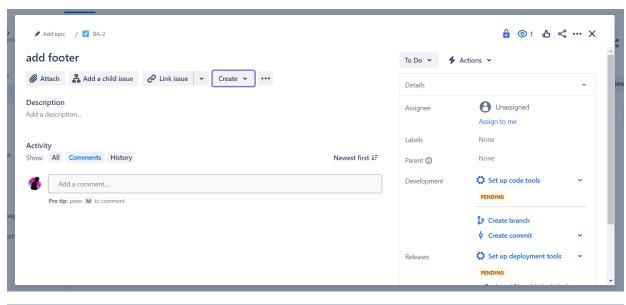Kalluri Laxmi Narashimha Lokesh Kumar

Q1: Demonstrate workflow of JIRA tool

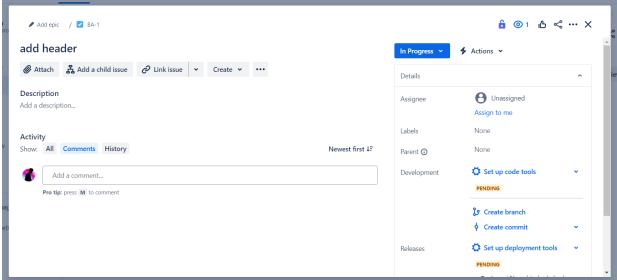Note:
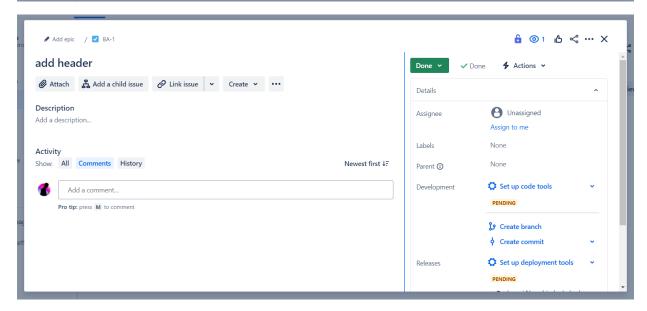
Login to JIRA environment with your domain mail ID.
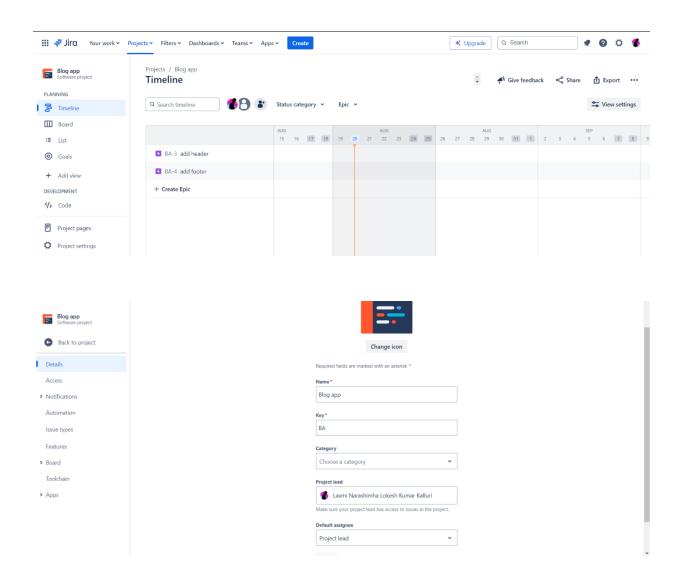
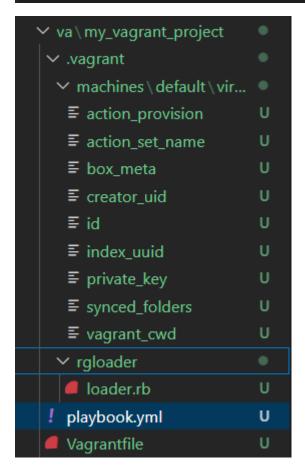Take screenshots of creating tasks for a sample application and submit as pdf file

Panel 1 (BA-2)

✏ Add epic / ☑ BA-2

🔒 👁 1 👍 ⤴ ⋯ ✕

add footer

📎 Attach | ⛓ Add a child issue | 🔗 Link issue | ▾ | Create ▾ | ⋯

Description
Add a description...

Activity
Show: All | **Comments** | History

Newest first ⬇

Add a comment...

Pro tip: press **M** to comment

To Do ▾ | ⚡ Actions ▾

Details ⌃

Assignee — 👤 Unassigned
Assign to me

Labels — None

Parent ⓘ — None

Development — ⚙ Set up code tools ▾
PENDING

⌥ Create branch
◇ Create commit ▾

Releases — ⚙ Set up deployment tools ▾
PENDING

Panel 2 (BA-1)

✏ Add epic / ☑ BA-1

🔒 👁 1 👍 ⤴ ⋯ ✕

add header

📎 Attach | ⛓ Add a child issue | 🔗 Link issue | ▾ | Create ▾ | ⋯

Description
Add a description...

Activity
Show: All | **Comments** | History

Newest first ⬇

Add a comment...

Pro tip: press **M** to comment

In Progress ▾ | ⚡ Actions ▾

Details ⌃

Assignee — 👤 Unassigned
Assign to me

Labels — None

Parent ⓘ — None

Development — ⚙ Set up code tools ▾
PENDING

⌥ Create branch
◇ Create commit ▾

Releases — ⚙ Set up deployment tools ▾
PENDING

Panel 3 (BA-1)

✏ Add epic / ☑ BA-1

🔒 👁 1 👍 ⤴ ⋯ ✕

add header

📎 Attach | ⛓ Add a child issue | 🔗 Link issue | ▾ | Create ▾ | ⋯

Description
Add a description...

Activity
Show: All | **Comments** | History

Newest first ⬇

Add a comment...

Pro tip: press **M** to comment

Done ▾ | ✓ Done | ⚡ Actions ▾

Details ⌃

Assignee — 👤 Unassigned
Assign to me

Labels — None

Parent ⓘ — None

Development — ⚙ Set up code tools ▾
PENDING

⌥ Create branch
◇ Create commit ▾

Releases — ⚙ Set up deployment tools ▾
PENDING

Q2: Demonstrate the usage of Anisble to configure the Virtual Machine

```
index.html        Vagrantfile U        ! playbook.yml U  X
va > my_vagrant_project > ! playbook.yml
 1     - hosts: all
 2       become: true
 3
 4       tasks:
 5         - name: Update and upgrade apt packages
 6           apt:
 7             update_cache: yes
 8             upgrade: dist
 9
10         - name: Install Nginx
11           apt:
12             name: nginx
13             state: present
14
15         - name: Ensure Nginx is running
16           service:
17             name: nginx
18             state: started
19             enabled: yes
20
```

```
v va\my_vagrant_project        ●
  v .vagrant                    ●
    v machines\default\vir...   ●
      ≡ action_provision        U
      ≡ action_set_name         U
      ≡ box_meta                U
      ≡ creator_uid             U
      ≡ id                      U
      ≡ index_uuid              U
      ≡ private_key             U
      ≡ synced_folders          U
      ≡ vagrant_cwd             U
    v rgloader                  ●
        ■ loader.rb             U
  ! playbook.yml                U
  ■ Vagrantfile                 U
```

```
PS C:\Users\KLN\Documents\GitHub\sem7\DevOps\587DevOps\va\my_vagrant_project> vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
==> default: Checking if box 'hashicorp/bionic64' version '1.0.282' is up to date...
==> default: Machine already provisioned. Run `vagrant provision` or use the `--provision`
==> default: flag to force provisioning. Provisioners marked to run always will still run.
```

```
PS C:\Users\KLN\Documents\GitHub\sem7\DevOps\587DevOps\va\my_vagrant_project> vagrant ssh
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-58-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Tue Aug 20 17:55:15 UTC 2024

  System load:  0.02              Processes:            103
  Usage of /:   2.5% of 61.80GB   Users logged in:      0
  Memory usage: 12%               IP address for eth0:  10.0.2.15
  Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

0 packages can be updated.
0 updates are security updates.
```

```
vagrant@vagrant:~$ sudo apt-get update
Get:1 http://security.ubuntu.com/ubuntu bionic-security InRelease [102 kB]
Hit:2 http://archive.ubuntu.com/ubuntu bionic InRelease
Get:3 http://archive.ubuntu.com/ubuntu bionic-updates InRelease [102 kB]
Get:4 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [2,717 kB]
Get:5 http://archive.ubuntu.com/ubuntu bionic-backports InRelease [102 kB]
Get:6 http://security.ubuntu.com/ubuntu bionic-security/main i386 Packages [1,379 kB]
Get:7 http://security.ubuntu.com/ubuntu bionic-security/main Translation-en [467 kB]
Get:8 http://security.ubuntu.com/ubuntu bionic-security/restricted i386 Packages [33.0 kB]
Get:9 http://security.ubuntu.com/ubuntu bionic-security/restricted amd64 Packages [1,317 kB]
Get:10 http://security.ubuntu.com/ubuntu bionic-security/restricted Translation-en [182 kB]
Get:11 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages [1,303 kB]
Get:12 http://security.ubuntu.com/ubuntu bionic-security/universe i386 Packages [1,078 kB]
Get:13 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [3,044 kB]
Get:14 http://security.ubuntu.com/ubuntu bionic-security/universe Translation-en [308 kB]
Get:15 http://security.ubuntu.com/ubuntu bionic-security/multiverse amd64 Packages [19.8 kB]
Get:16 http://security.ubuntu.com/ubuntu bionic-security/multiverse i386 Packages [6,008 B]
Get:17 http://security.ubuntu.com/ubuntu bionic-security/multiverse Translation-en [3,928 B]
Get:18 http://archive.ubuntu.com/ubuntu bionic-updates/main i386 Packages [1,666 kB]
Get:19 http://archive.ubuntu.com/ubuntu bionic-updates/main Translation-en [554 kB]
Get:20 http://archive.ubuntu.com/ubuntu bionic-updates/restricted amd64 Packages [1,347 kB]
Get:21 http://archive.ubuntu.com/ubuntu bionic-updates/restricted i386 Packages [39.7 kB]
Get:22 http://archive.ubuntu.com/ubuntu bionic-updates/restricted Translation-en [187 kB]
Get:23 http://archive.ubuntu.com/ubuntu bionic-updates/universe i386 Packages [1,663 kB]
Get:24 http://archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1,914 kB]
Get:25 http://archive.ubuntu.com/ubuntu bionic-updates/universe Translation-en [421 kB]
Get:26 http://archive.ubuntu.com/ubuntu bionic-updates/multiverse i386 Packages [11.2 kB]
Get:27 http://archive.ubuntu.com/ubuntu bionic-updates/multiverse amd64 Packages [25.6 kB]
Get:28 http://archive.ubuntu.com/ubuntu bionic-updates/multiverse Translation-en [6,088 B]
Get:29 http://archive.ubuntu.com/ubuntu bionic-backports/main amd64 Packages [53.3 kB]
Get:30 http://archive.ubuntu.com/ubuntu bionic-backports/main i386 Packages [53.2 kB]
Get:31 http://archive.ubuntu.com/ubuntu bionic-backports/main Translation-en [14.6 kB]
Get:32 http://archive.ubuntu.com/ubuntu bionic-backports/universe i386 Packages [18.1 kB]
Get:33 http://archive.ubuntu.com/ubuntu bionic-backports/universe amd64 Packages [18.2 kB]
Get:34 http://archive.ubuntu.com/ubuntu bionic-backports/universe Translation-en [8,668 B]
Fetched 20.2 MB in 7s (2,766 kB/s)
Reading package lists... Done
```

```
vagrant@vagrant:~$ sudo apt-get install ansible -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  ieee-data python-asn1crypto python-certifi python-cffi-backend python-chardet python-cryptography python-enum34 python-httplib2 python-idna python-ipaddress
  python-jinja2 python-jmespath python-kerberos python-libcloud python-lockfile python-markupsafe python-netaddr python-openssl python-paramiko python-pkg-resources
  python-pyasn1 python-requests python-selinux python-simplejson python-six python-urllib3 python-xmltodict python-yaml
Suggested packages:
  cowsay sshpass python-cryptography-doc python-cryptography-vectors python-enum34-doc python-jinja2-doc python-lockfile-doc ipython python-netaddr-docs
  python-openssl-doc python-openssl-dbg python-gssapi python-setuptools python-socks python-ntlm
Recommended packages:
  python-winrm
The following NEW packages will be installed:
  ansible ieee-data python-asn1crypto python-certifi python-cffi-backend python-chardet python-cryptography python-enum34 python-httplib2 python-idna python-ipaddress
  python-jinja2 python-jmespath python-kerberos python-libcloud python-lockfile python-markupsafe python-netaddr python-openssl python-paramiko python-pkg-resources
  python-pyasn1 python-requests python-selinux python-simplejson python-six python-urllib3 python-xmltodict python-yaml
0 upgraded, 29 newly installed, 0 to remove and 294 not upgraded.
Need to get 7,915 kB of archives.
After this operation, 61.5 MB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu bionic/main amd64 python-asn1crypto all 0.24.0-1 [72.7 kB]
Get:2 http://archive.ubuntu.com/ubuntu bionic/main amd64 python-cffi-backend amd64 1.11.5-1 [63.4 kB]
Get:3 http://archive.ubuntu.com/ubuntu bionic/main amd64 python-enum34 all 1.1.6-2 [34.8 kB]
Get:4 http://archive.ubuntu.com/ubuntu bionic/main amd64 python-idna all 2.6-1 [32.4 kB]
Get:5 http://archive.ubuntu.com/ubuntu bionic/main amd64 python-ipaddress all 1.0.17-1 [18.2 kB]
Get:6 http://archive.ubuntu.com/ubuntu bionic/main amd64 python-six all 1.11.0-2 [11.3 kB]
Get:7 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-cryptography amd64 2.1.4-1ubuntu1.4 [276 kB]
Get:8 http://archive.ubuntu.com/ubuntu bionic/main amd64 python-markupsafe amd64 1.0-1build1 [13.0 kB]
Get:9 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-jinja2 all 2.10-1ubuntu0.18.04.1 [94.8 kB]
Get:10 http://archive.ubuntu.com/ubuntu bionic/main amd64 python-pyasn1 all 0.4.2-3 [46.7 kB]
Get:11 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-paramiko all 2.0.0-1ubuntu1.3 [110 kB]
Get:12 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-pkg-resources all 39.0.1-2ubuntu0.1 [128 kB]
Get:13 http://archive.ubuntu.com/ubuntu bionic/main amd64 python-yaml amd64 3.12-1build2 [115 kB]
Get:14 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-httplib2 all 0.9.2+dfsg-1ubuntu0.3 [34.9 kB]
Get:15 http://archive.ubuntu.com/ubuntu bionic/main amd64 ieee-data all 20180204.1 [1,539 kB]
Get:16 http://archive.ubuntu.com/ubuntu bionic/main amd64 python-netaddr all 0.7.19-1 [213 kB]
Get:17 http://archive.ubuntu.com/ubuntu bionic-updates/universe amd64 ansible all 2.5.1+dfsg-1ubuntu0.1 [3,198 kB]
Get:18 http://archive.ubuntu.com/ubuntu bionic/main amd64 python-certifi all 2018.1.18-2 [144 kB]
Get:19 http://archive.ubuntu.com/ubuntu bionic/main amd64 python-chardet all 3.0.4-1 [80.3 kB]
Get:20 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-jmespath all 0.9.3-1ubuntu1.1 [21.4 kB]
```

```
vagrant@vagrant:~/kln$ ls
```

```
vagrant@vagrant:~/kln$ touch playbook.yml
```

```
vagrant@vagrant:~/kln$ cat >> playbook.yml
- hosts: localhost
  become: true

  tasks:
    - name: Update and upgrade apt packages
      apt:
        update_cache: yes
        upgrade: dist

    - name: Install Nginx
      apt:
        name: nginx
        state: present

    - name: Ensure Nginx is running
      service:
        name: nginx
        state: started
        enabled: yes^C
PLAY [localhost] ***************************************************************************************************************************

TASK [Gathering Facts] ********************************************************************************************************************
ok: [localhost]

TASK [Update and upgrade apt packages] ****************************************************************************************************
```