Docker Document with Answers:-

1. Creating the environment and installing docker and checking it

1 sudo apt-get update

2 sudo apt-get install apt-transport-https ca-certificates curl software-properties-common

3 curl -fsSl https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -

4 sudo apt-key fingerprint 0EBFCD88

5 sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu $(lsb\_release -cs) stable"

6 sudo apt-get install docker-ce

7 sudo docker info

8 sudo docker container ls -all

2)

44 docker --version

45 which docker

46 sudo groupadd docker

47 sudo usermod -aG docker $USER

48 newgrp docker

49 docker network

50 docker network ls

51 docker inspect eff40aac7078

52 history

53 docker images

54 docker pull busybox

55 docker ps

56 docker ps -a

57 docker run busybox

58 docker ps

59 docker ps -a

60 docker run -d busybox

61 docker ps

62 docker ps -a

63 docker run -d --name server busybox

64 docker run -d --name server1 busybox

65 docker ps -a

66 docker build --help

67 docker run -d --name server busybox sleep 100

68 docker run -d --name server2 busybox sleep 100

69 docker ps

70 docker stop 245280

71 docker ps

72 docker start 245280

73 docker ps

74 docker stop server2

75 docker ps

76 docker ps -a

77 docker rm server2

78 docker rm server

79 docker rm server1

80 docker rm 7a68

81 docker rm c884c85

82 docker ps -a

83 docker rm 58b

84 docker rm 3d8c

85 docker ps -a

86 docker run -d --help

87 docker run -d --name server --help

88 docker run -d --name server --rm busybox ifconfig a

89 docker ps -a

90 docker ps

91 docker ps -a

92 docker run -it --help

93 docker ps

94 docker ps -a

95 docker rm -aq

96 docker rm -q

97 docker rm -h

98 cd

99 docker run -e MYSQL\_ROOT\_PASSWORD=admin -e MYSQL\_USER=wordpress -e MYSQL\_PASSWORD=wordpress -e MYSQL\_DATABASE=wp\_database -v wp\_database:/var/lib/mysql --name wordpressdb -d mariadb\

100 docker run -e MYSQL\_ROOT\_PASSWORD=admin -e MYSQL\_USER=wordpress -e MYSQL\_PASSWORD=wordpress -e MYSQL\_DATABASE=wp\_database -v wp\_database:/var/lib/mysql --name wordpressdb -d mariadb

101 docker ps

102 docker inspect 55e43a057263

103 docker run -e WORDPRESS\_DB\_USER=wordpress -e WORDPRESS\_DB\_PASSWORD=wordpress -e WORDPRESS\_DB\_NAME=wp\_database -e WORDPRESS\_DB\_HOST=172.17.0.2 -p 8080:80 -v wp\_data:/var/www/html --name wordpressapp -d wordpress

104 docker ps

105 docker run -e WORDPRESS\_DB\_USER=wordpress -e WORDPRESS\_DB\_PASSWORD=wordpress -e WORDPRESS\_DB\_NAME=wp\_database -e WORDPRESS\_DB\_HOST=172.17.0.2 -p 8080:80 -v wp\_data:/var/www/html --name wordpressapp -d wordpress

106 docker ps

107 docker exec -it 6db /bin/bash

108 docker inspect 6db

109 docker ps

110 docker -rm 6db