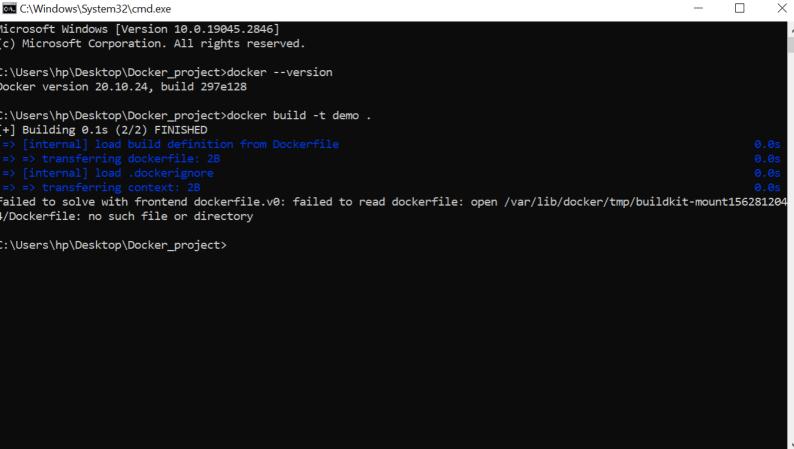
```
PS C:\Users\hp\Desktop\Docker_project> docker --version
Docker version 20.10.24, build 297e128
PS C:\Users\hp\Desktop\Docker project> docker images
             TAG
                        IMAGE ID
REPOSITORY
                                        CREATED
                                                       SIZE
                        4665a951a37e 13 days ago 921MB
             latest
python
ubuntu
              latest
                        08d22c0ceb15
                                       6 weeks ago
                                                       77.8MB
PS C:\Users\hp\Desktop\Docker_project> docker build -t demo .
[+] Building 4.7s (10/10) FINISHED
=> => transferring dockerfile: 423B
 => => transferring context: 2B
                                                                                                                            0.05
=> [internal] load build context
                                                                                                                            0.1s
=> => transferring context: 27B
=> CACHED [2/5] RUN apt-get update && apt-get install -y default-libmysqlclient-dev
=> CACHED [3/5] WORKDIR /app
=> CACHED [4/5] RUN pip install mysql-connector-python
                                                                                                                            0.05
                                                                                                                            0.05
=> [5/5] COPY s2.py
                                                                                                                            0.1s
=> exporting to image
                                                                                                                            1.5s
=> => exporting layers
=> => writing image sha256:7d5c30d580816d4cdd21d76667aeab3e39a10af0e6e3d71a3530fc510df48372
   => naming to docker.io/library/demo
                                                                                                                            0.0s
PS C:\Users\hp\Desktop\Docker_project> docker images
REPOSITORY
             TAG
                       IMAGE ID
                                        CREATED
                                                         SIZE
                                                         1.06GB
demo
             latest
                        7d5c30d58081
                                        5 seconds ago
python
             latest
                        4665a951a37e
                                        13 days ago
                                                         921MB
ubuntu
             latest
                        08d22c0ceb15
                                        6 weeks ago
                                                         77.8MB
PS C:\Users\hp\Desktop\Docker_project>
```



```
from tkinter import *
     db = m.connect(host="localhost",port=3307, user="root", password="root", auth_plugin='mysql_native_password')
     cursor = db.cursor()
     cursor.execute("create database if Not Exists Studentmgt;")
     cursor.execute("use StudentMgt")
     cursor.execute("create table if not exists VITA(AdmissionNO int auto_increment,Name varchar(100),Course varchar(100), primary key(Admission
     root.geometry("600x500")
     root.title("Admission Management Portal of VITA Mumbai")
     name_var = StringVar()
     course_var = StringVar()
     admission_var = StringVar()
     status_label = Label(root, text="", font=("Arial", 14))
     selected_option = StringVar()
     def toggle_fields():
         if selected_option.get() == "Add Student":
             entry_name.config(state="normal")
             entry_course.config(state="normal")
             entry_admission.config(state="disabled")
             button_add.config(text="Add Student")
```

```
elif selected_option.get() == "Delete Student":
       entry_name.config(state="disabled")
        entry_course.config(state="disabled")
        entry_admission.config(state="normal")
    button_delete.config(text="Delete Student")
elif selected_option.get() == "Update Student":
       entry_name.config(state="normal")
        entry_course.config(state="disabled")
        entry_admission.config(state="normal")
        button_update.config(text="Update Student")
    elif selected_option.get() == "Student details":
        entry_name.config(state="disabled")
        entry_course.config(state="disabled")
        entry_admission.config(state="normal")
        button_update.config(text="Update Student")
def add_student():
    name = name_var.get()
    course = course_var.get()
    if (any(chr.isdigit() for chr in name)) or len(name) == 1 or name == '':
        status_label.config(text="Name can't have Numbers or Single Character or be Empty \nPlease recheck and enter correctly.", fg="red")
    if course not in ["PGDAC", "PGDBDA"]:
        status_label.config(text="You have entered a wrong course name...\nPlease try again.", fg="red")
        return
    cursor.execute(q1,[name,course])
    db.commit()
    q2 = ("select AdmissionNo from VITA where name = %s;")
```

```
q2 = ("select AdmissionNo from VITA where name = %s;")
                               cursor.execute(q2,[name])
                               result = cursor.fetchall()
                                                       status_label.config(text=f"Student name: {name}\nAdmission No: {j}", fg="green")
                 def delete_student():
                             admission_no = admission_var.get()
                              q1 = "select Name from vita where AdmissionNo=%s;"
                             cursor.execute(q1,[admission_no])
                               name = cursor.fetchall()
                             if (name == []):
                                         status_label.config(text="We don't have any student with this AdmissionNO.", fg="red")
                                          return
                               for i in name:
                                          status_label.config(text=f"The details of the student:\nName: {i[0]}\nAdmissionNo: {admission_no}\nWe are deleting his records.", the student is a status_label.config(text=f"The details of the status_label.config(text=f"The details of 
                              cursor.execute(q2,[admission_no])
                              db.commit()
                              status_label.config(text="Successfully Deleted", fg="green")
                 def update_student():
                               admission_no = admission_var.get()
                              q1 = "select Name from vita where AdmissionNo=%s;"
                              cursor.execute(q1,[admission_no])
                              name = cursor.fetchall()
                               if (name == []):
```

```
if (name == []):
                     status_label.config(text="We don't have any student with this AdmissionNO.", fg="red")
           for i in name:
                      status_label.config(text=f"The details of the student:\nName: {i[0]}\nAdmissionNo: {admission_no}.", fg="green")
          n_name = name_var.get()
           cursor.execute(q2,[n_name,admission_no])
          db.commit()
          status_label.config(text="Details successfully updated",fg= "Green")
def showdetails():
                     admission_no = admission_var.get()
                     q1 = "select Name, course from vita where AdmissionNo=%s;"
                     cursor.execute(q1,[admission_no])
                      details = cursor.fetchall()
                      if (details == []):
                                status_label.config(text="We don't have any student with this AdmissionNO.", fg="red")
                      for i in details:
                                 status\_label.config(text=f"The details of the student:\\ \nName: \{i[0]\}\\ \nCourse : \{i[1]\}\\ \nAdmission_No: \{admission\_no\}.", fg="green the details of the student:\\ \nName: \{i[0]\}\\ \nAdmission_No: \{admission\_no\}.", fg="green the details of the student:\\ \nName: \{i[0]\}\\ \nAdmission_No: \{admission\_no\}.", fg="green the details of the student:\\ \nAdmission_No: \{admission\_no\}.", fg="green the details of the student:\\ \nAdmission_No: \{admission\_no\}.", fg="green the details of the details of the student:\\ \nAdmission_No: \{admission\_no\}.", fg="green the details of the details 
radio_add = Radiobutton(root, text="Add Student", variable=selected_option, value="Add Student", command=toggle_fields)
radio_add.grid(row=5, column=0)
 radio_delete = Radiobutton(root, text="Delete Student", variable=selected_option, value="Delete Student", command=toggle_fields)
radio_delete.grid(row=5, column=1)
```

🕏 s2.py > ...

```
radio_delete.grid(row=5, column=1)
radio_update = Radiobutton(root, text="Update Student", variable=selected_option, value="Update Student", command=toggle_fields)
radio_update.grid(row=5, column=2)
radio_update = Radiobutton(root, text="Student details", variable=selected_option, value="Student details", command=toggle_fields)
radio_update.grid(row=5, column=3)
label_name = Label(root, text="Name:")
label_name.grid(row=0, column=0)
entry_name = Entry(root, textvariable=name_var)
entry_name.grid(row=0, column=1)
label_course = Label(root, text="Course:")
label_course.grid(row=1, column=0)
entry_course = Entry(root, textvariable=course_var)
entry_course.grid(row=1, column=1)
label_admission = Label(root, text="Admission No:")
label_admission.grid(row=2, column=0)
entry_admission = Entry(root, textvariable=admission_var)
entry_admission.grid(row=2, column=1)
button_add = Button(root, text="Add Student", command=add_student)
button_add.grid(row=3, column=0)
button_delete = Button(root, text="Delete Student", command=delete_student)
button_delete.grid(row=3, column=1)
```

radio_delete = Radiobutton(root, text="Delete Student", variable=selected_option, value="Delete Student", command=toggle_fields)

```
button_add = Button(root, text="Add Student", command=add_student)
button_add.grid(row=3, column=0)

button_delete = Button(root, text="Delete Student", command=delete_student)
button_delete.grid(row=3, column=1)

button_update = Button(root, text="Update Student", command=update_student)
button_update.grid(row=3, column=2)

button_showdetails = Button(root, text="Show Details", command=showdetails)
button_showdetails.grid(row=3, column=3)

status_label.grid(row=4, column=0, columnspan=3)

root.mainloop()
```

Admission N	lanagement Portal of V	/ITA Mumbai			×
Name: Course: Admission No:	1002				
Add Student	Delete Student	Update Student	Show Details		
	details of the s Name: shrey Course : PGD/ dmissionNo: 1	a AC			
Aud Student	Delete Student	Update Student	 Student details 		
Add Student	Delete Student	C Update Student	• Student details		
Aud Student	Delete Student	Update Student	• Student details		
Aud Student	O Delete Student	Update Student	• Student details		
Aud Student	O Delete Student	Update Student	• Student details		
Aud Student	C Delete Student	C Update Student	• Student details		
Aud Student	C Delete Student	C Update Student	• Student details		
Aud Student	C Delete Student	C Update Student	• Student details		
Add Student	C Delete Student	C Update Student	• Student details		

