Registration Form Code

```python
import tkinter as tk
from tkinter import messagebox

def submit():
    student_name=entry_name.get()
    age=entry_age.get()
    gender=var_gender.get()
    grade=entry_grade.get()

    messagebox.showinfo("Registration Form\n ", f"Student Name: {student_name}\n"
                                f"Age: {age}\n"
                                f"Gender: {gender}\n"
                                f"Grade: {grade}\n"
                                )

root=tk.Tk()
root.title("Registration Form")

label_name=tk.Label(root,text="Enter The name: ")
label_name.grid(row=0,column=0,padx=10,pady=10)
entry_name=tk.Entry(root)
entry_name.grid(row=0,column=1,padx=10,pady=10)

label_age=tk.Label(root,text="Enter Age(Years): ")
label_age.grid(row=1,column=0,padx=10,pady=10)
entry_age=tk.Entry(root)
entry_age.grid(row=1,column=1,padx=10,pady=10)

label_gender=tk.Label(root,text="Gender: ")
label_gender.grid(row=2,column=0,padx=10,pady=10)
var_gender=tk.StringVar(value="")
radio_male=
tk.Radiobutton(root,text="Male",variable=var_gender,value="Male")
radio_male.grid(row=2,column=1,padx=10,pady=5,sticky="w")
radio_female= tk.Radiobutton(root,text="Female",variable=var_gender,
value="Female")
radio_female.grid(row=2,column=1,padx=10,pady=5,sticky="e")

label_grade=tk.Label(root,text="Grade: ")
label_grade.grid(row=3,column=0,padx=10,pady=10)
entry_grade=tk.Entry(root)
entry_grade.grid(row=3,column=1,padx=10,pady=10)


button_submit= tk.Button(root, text="Submit", command=submit)
button_submit.grid(row=6, column=1, padx=10, pady=20)

root.mainloop()
```
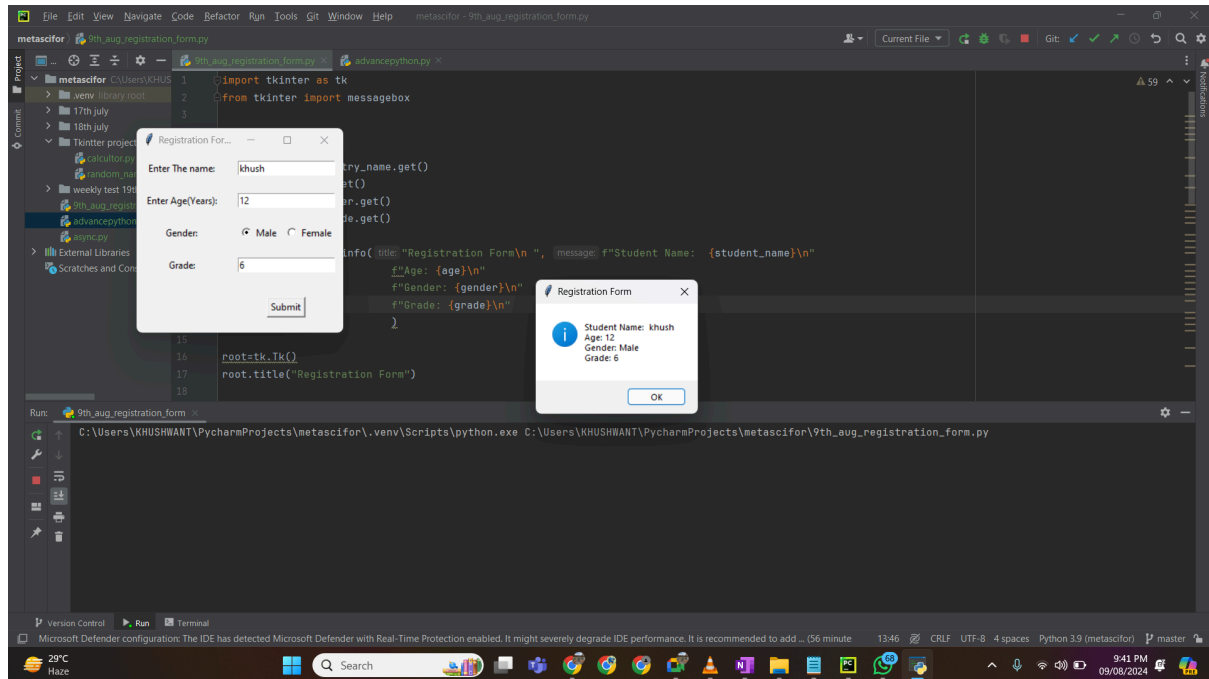
Output:

Advance Python Code

```python
import tkinter as tk
from tkinter import messagebox



def number_generator(limit):
    for num in range(1, limit + 1):
        yield num



def filter_even_numbers():
    limit = 30
    gen = number_generator(limit)
    even_numbers = list(filter(lambda x: x % 2 == 0, gen))
    messagebox.showinfo("Even Numbers", f"Filtered Even Numbers:
{even_numbers}")



root = tk.Tk()
```

```
root.title("Even Number Filter with Generator")


filter_button = tk.Button(root, text="Filter Even Numbers",
command=filter_even_numbers)
filter_button.pack(pady=20)


root.mainloop()
```

Output: