

Практическое занятие № 12

Тема: составление программ с использованием GUI Tkinter в IDE PyCharm Community

Постановка задачи:

Вариант 20.

Текст программы:

```
from tkinter import*
from tkinter import ttk

root = Tk()

root.geometry('1100x550+40+80')

Label(root, text = 'User login info', font = 'Arial 10 bold').place(x = 50, y = 5)
Label(root, text = 'Username:', font = 'Arial 11').place(x = 45, y = 55)
Entry(root, width = 25, bd = 1).place(x = 130, y = 60)

Label(root, text = 'Email:', font = 'Arial 11').place(x = 45, y = 90)
Entry(root, width = 25, bd = 1).place(x = 115, y = 95)

Label(root, text = 'Password:', font = 'Arial 11').place(x = 45, y = 125)
Entry(root, width = 25, bd = 1).place(x = 130, y = 130)

Label(root, text = 'Data diri', font = 'Arial 10 bold').place(x = 50, y = 157)
Label(root, text = 'Alamat:', font = 'Arial 11').place(x = 45, y = 195)
Entry(root, width = 25, bd = 1).place(x = 130, y = 200)

Label(root, text = 'Tanggal lahir:', font = 'Arial 11').place(x = 45, y = 230)
Entry(root, width = 25, bd = 1).place(x = 140, y = 235)

Label(root, text = 'Usia:', font = 'Arial 11').place(x = 45, y = 265)
Entry(root, width = 25, bd = 1).place(x = 130, y = 270)
```

```
Label(root, text = 'Jenis kelamin:', font = 'Arial 11').place(x = 45, y = 300)
```

```
Radiobutton(text = 'Pria', font = 'Arial 11', value = 0).place(x = 160, y = 300)
```

```
Radiobutton(text = 'Wanita', font = 'Arial 11', value = 1).place(x = 222, y = 300)
```

```
Label(root, text = 'Saya bersedia mengikuti aturan forum', font = 'Arial 11').place(x = 45, y = 370)
```

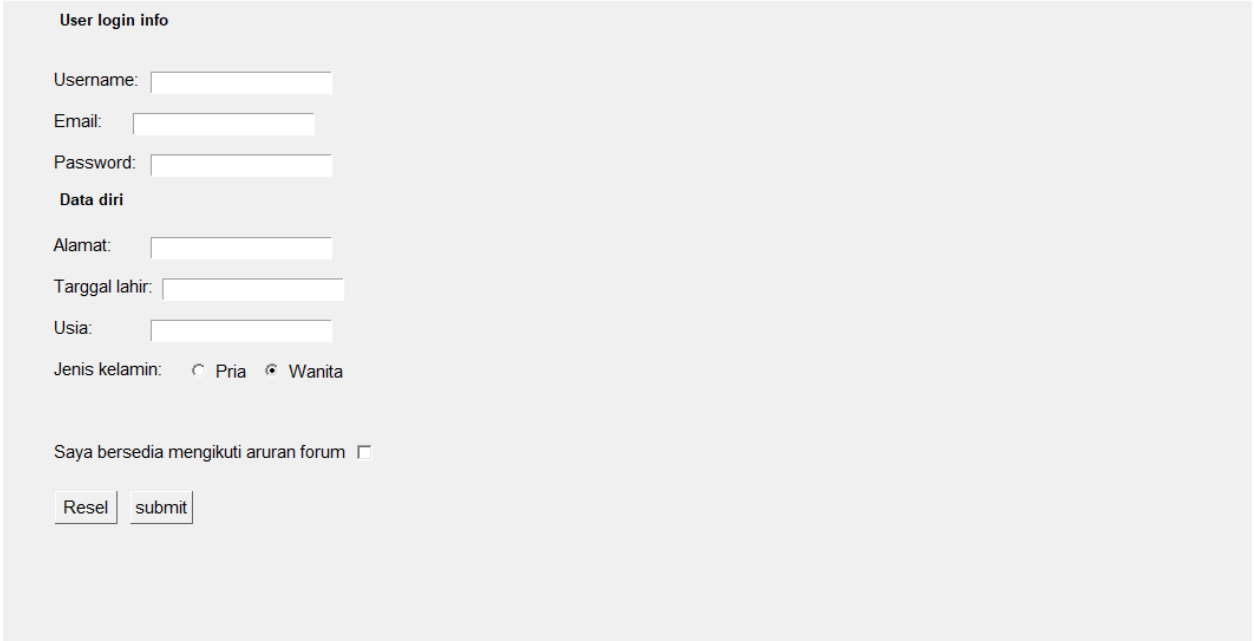
```
Checkbutton(onvalue = 1, offvalue = 0).place(x = 300, y = 370)
```

```
Button(root, text = 'Resel', font = 'Arial 11', bd = 1, width = 5).place(x = 49, y = 415)
```

```
Button(root, text = 'submit', font = 'Arial 11', bd = 1, width = 5).place(x = 113, y = 415)
```

```
root.mainloop()
```

Протокол работы программы:



The screenshot shows a Tkinter window titled "User login info". It contains the following elements:

- Username:
- Email:
- Password:
- Data diri**
- Alamat:
- Tanggal lahir:
- Usia:
- Jenis kelamin: ☐ Pria ☒ Wanita
- Saya bersedia mengikuti aturan forum ☐
- Buttons: "Resel" and "submit"

Постановка задачи:

Вариант 20.

Текст программы:

```
from tkinter import*
```

```
def sr(event):
```

```

a = int(num1.get())
b = int(num2.get())
c = int(num3.get())

if (a != 0) and (a + b == 0):
    stroka['text'] = 'Есть пара противоположных чисел'
elif (a != 0) and (a + c == 0):
    stroka['text'] = 'Есть пара противоположных чисел'
elif (b != 0) and (b + c == 0):
    stroka['text'] = 'Есть пара противоположных чисел'
else:
    stroka['text'] = 'Нет пары противоположных чисел'

root = Tk()
root.title('Поиск пары противоположных чисел')
root.geometry('350x150+40+80')

Label(text = 'Введите первое число: ').grid(row = 1, column = 0)
num1 = Entry()
num1.grid(row = 1, column = 1)

Label(text = 'Введите второе число: ').grid(row = 2, column = 0)
num2 = Entry()
num2.grid(row = 2, column = 1)

Label(text = 'Введите третье число: ').grid(row = 3, column = 0)
num3 = Entry()
num3.grid(row = 3, column = 1)

knopka = Button(text = 'Результат')
knopka.grid(row = 4, column = 1)

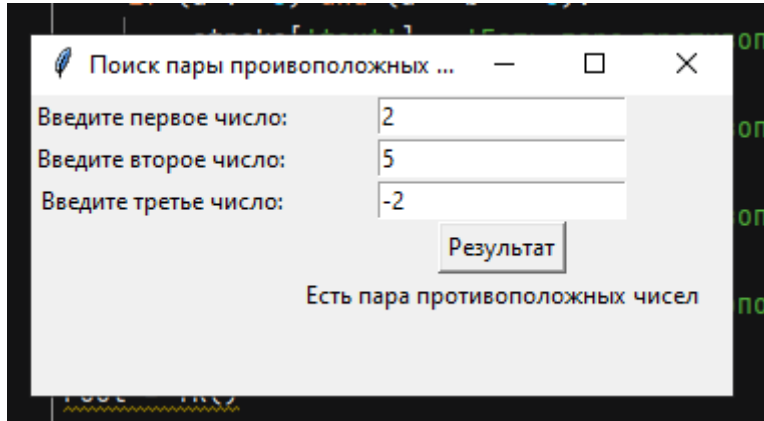
stroka = Label()
stroka.grid(row = 5, column = 1)

```

```
knopka.bind('<Button-1>', sr)
```

```
root.mainloop()
```

Протокол работы программы:



Вывод: усвоил и закрепил навыки составления программ с использованием GUI Tkinter в IDE PyCharm Community