

AGE CALCULATION FROM DOB (UDP PROGRAM USING PYTHON)

SERVER:

```
import socket
from datetime import datetime
udp_ip="127.0.0.1"
udp_port=5006

s=socket.socket(socket.AF_INET,socket.SOCK_DGRAM)
s.bind((udp_ip,udp_port))

while True:
    date,addr=s.recvfrom(1024)
    date=date.decode()

    day=int(date[0:2])
    month=int(date[3:5])
    year=int(date[6:])

    today=str(datetime.now())

    t_year=int(today[0:4])
    t_month=int(today[5:7])
    t_day=int(today[8:10])

    year_diff=t_year-year
    day_diff=t_day-day
    month_diff=t_month-month
```

```
if((year_diff<=0 and month_diff<0)or(year_diff<=0 and month_diff<=0 and day_diff<0)):
    year_diff=year_diff-1;
```

```
if(year_diff>=0):
```

```
    if(month_diff>=0):
```

```
        if(day_diff>=0):
```

```
            print("Years are:"+str(year_diff))
```

```
            print("Months are:"+str(month_diff))
```

```
            print("Days are:"+str(day_diff))
```

```
        elif(day_diff<0):
```

```
            #Taking month size as 30 for all the months
```

```
            month_diff=month_diff-1
```

```
            day_diff=day_diff+30;
```

```
            print("Years are:"+str(year_diff))
```

```
            print("Months are:"+str(month_diff))
```

```
            print("Days are:"+str(day_diff))
```

```
    elif(month_diff<0):
```

```
        if(day_diff>=0):
```

```
            year_diff=year_diff-1
```

```
            month_diff=month_diff+12
```

```
            print("Years are:"+str(year_diff))
```

```
            print("Months are:"+str(month_diff))
```

```
            print("Days are:"+str(day_diff))
```

```
    elif(day_diff<0):
```

```
        year_diff=year_diff-1
```

```
        month_diff=month_diff+12-1
```

```
        day_diff=day_diff+30
```

```
        print("Years are:"+str(year_diff))
```

```
        print("Months are:"+str(month_diff))
```

```
        print("Days are:"+str(day_diff))
```

```
s.sendto(str(year_diff).encode(),addr)
s.sendto(str(month_diff).encode(),addr)
s.sendto(str(day_diff).encode(),addr)
```

```
if(year_diff<0):
    print("Invalid DOB")
    s.sendto("Invalid DOB".encode(),addr)
```

CLIENT:

```
import socket
```

```
udp_ip="127.0.0.1"
```

```
udp_port=5006
```

```
s=socket.socket(socket.AF_INET,socket.SOCK_DGRAM)
```

```
s.connect((udp_ip,udp_port))
```

```
dob=input("Enter your Date of birth in dd-mm-yyyy:")
```

```
s.sendto(dob.encode(),(udp_ip,udp_port))
```

```
age,addr=s.recvfrom(1024)
```

```
print("Years are:"+str(age.decode()))
```

```
month,addr1=s.recvfrom(1024)
```

```
print("Months are:"+str(month.decode()))
```

```
days,addr2=s.recvfrom(1024)
```

```
print("Days are:"+str(days.decode()))
```

