

```
from datetime import date
import calendar,time,re,sys
```

```
def calender_highlight(new_month,new_year):
    if new_month>0:
        thism = calendar.month(new_year, new_month)
    else:
        year, month, thism = today.year, today.month, calendar.month(year, month)
    date = today.day.__str__().rjust(2)
    rday = ('\b' + date + '\b').replace('\b ', '\s')
    rdayc = "\033[7m" + date + "\033[0m"
    print(re.sub(rday, rdayc, thism))
```

```
def calender_process():
    user_input = 0
    while True :
        user_input = int(input("Enter the month between 1 - 12:"))
        if (user_input >= -12 & user_input <= 12):
            if user_input > 0:
                sum = month + user_input
                if sum > 12:
                    new_month, new_year = sum - 12, year + 1
                elif sum < 12:
                    new_month, new_year = sum, today.year
                elif sum == 12:
                    new_month, new_year = month + 1, today.year
            elif user_input < 0:
                difference = month + user_input
                if difference < 0:
                    new_month, new_year = difference + 12, year - 1
                elif difference > 0:
                    new_month, new_year = difference, today.year
            elif user_input == 0:
                new_month, new_year = today.month, today.year
            calender_highlight(new_month, new_year)
            sure_want_continue = input("press YES to continue or NO to exit ")
            if sure_want_continue == "NO" or sure_want_continue == "no" or sure_want_continue == "No":
                print("Program stopped executing")
                sys.exit()
            elif sure_want_continue == "YES" or sure_want_continue == "yes" or sure_want_continue == "Yes":
                pass
            else:
                print("Enter the input properly")

        else:
            print("Months should be in between -12 and +12")
            sys.exit()
```

```
Total_attempts=3
while True:
    Total_attempts-=1
    username = input("Enter the username: ")
    password= input("Enter the password: ")
    if username == "xxxx" and password == "yyyy":
        today = date.today()
```

```
year = today.year
month = today.month
print(month)
new_month = 0
new_year = 0
calender_highlight(month,year)
calender_process()
```

```
if Total_attempts == 0:
    print("UserName and password are incorrect")
    print("You have exceed the total number of attempts")
    sys.exit()
```