

## CS 21 Introduction to Java Programming:

### Project 5:

1. ABC Restaurant is a famous Chinese Seafood Restaurant which serves Dim Sum and many famous dishes. Therefore, the inquiry for their operational hours and discount day is very important.
2. The schedule of ABC restaurant is the following.  
They are closed on Mondays.  
Tuesdays, Wednesdays and Thursdays, they operate from 11:00am to 9:00pm  
For Friday nights, there are a lot of parties, so they operate from 11am to 1am (next day).  
For Saturdays and Sundays, they operate from 11am to 11pm.  
On Wednesdays, they provide "Happy Hours" from 2pm to 5pm (20% off the whole bill)
3. Now, write a program for this inquiry system.  
You can use a character M for Monday, T for Tuesday, W for Wednesday, H for Thursday, F for Friday, S for Saturday, U for Sunday.

The interface should look like this:

Inquiry for Monday:

```
Welcome to ABC Restaurant Inquiry System.  
Enter your day to visit us (M/T/W/H/F/S/U): M  
Closed
```

Inquiry for Tuesday:

```
Welcome to ABC Restaurant Inquiry System.  
Enter your day to visit us (M/T/W/H/F/S/U): T  
Hours: 11a-9p
```

Inquiry for Wednesday:

```
Welcome to ABC Restaurant Inquiry System.  
Enter your day to visit us (M/T/W/H/F/S/U): W  
Hours: 11a-9p, Happy Hours: 2p-5p (20% off)
```

Inquiry for Thursday:

```
Welcome to ABC Restaurant Inquiry System.  
Enter your day to visit us (M/T/W/H/F/S/U): H  
Hours: 11a-9p
```

Inquiry for Friday:

Welcome to ABC Restaurant Inquiry System.

Enter your day to visit us (M/T/W/H/F/S/U): F

Hours: 11a-1a

Inquiry for Saturday:

Welcome to ABC Restaurant Inquiry System.

Enter your day to visit us (M/T/W/H/F/S/U): S

Hours: 11a-11p

Inquiry for Sunday:

Welcome to ABC Restaurant Inquiry System.

Enter your day to visit us (M/T/W/H/F/S/U): U

Hours: 11a-11p

Note:

1. To read a character from a string, you may use **charAt(0)** function

```
System.out.println("Welcome to ABC Restaurant Inquiry System.");  
System.out.print("Enter your day to visit us (M/T/W/H/F/S/U): ");  
char day = input.nextLine().charAt(0);
```

2. Please print out the operation hours and the discount information.