

1. Write a program that will ask the user if they are a Part time worker (P) or a Full time worker (F). If they are a Part time worker, the program will ask them their hourly rate of pay and their hours worked per week. The program will then calculate and display their weekly wage. If they are a full time worker, the program will ask them for their annual salary. The program will then ask them whether they get paid weekly (w) or monthly (m). If they get paid weekly, the program will work out and display their weekly wage. If they get paid monthly, the program will work out and display their monthly wage.

Use nested control structures in your program.

Sample Output:

```
Are you a part time worker [P] or a full time worker [F]? P
What is your hourly rate? 12
How many hours do you work per week? 20
Your weekly wage is 240.0
```

```
Are you a part time worker [P] or a full time worker [F]? f
What is your annual salary? 24000
Are you paid monthly [M] or weekly [W]? m
Your monthly wage is 2000.0
```

```
Are you a part time worker [P] or a full time worker [F]? F
What is your annual salary? 52000
Are you paid monthly [M] or weekly [W]? w
Your weekly wage is 1000.0
```

2. A Money Lender offers 5 types of loan each with differing interest rates. All loans are taken out for a 1 year period. Write a program that prompts the user to enter the loan amount and the type of loan account. The program should calculate the display the simple interest due and the amount of the total repayment. Use a `switch` statement in your program.

<i>Loan Account</i>	<i>Percentage bonus</i>
A or a	10%
K or k	5%
M or m	4 %
P or p	5 %
Z or z	10