MOHAK SHARMA
25K-3002

PF CLASS TASKS

Github: https://github.com/mohak-sharma-NU/PF-Lab-05/tree/main/class-tasks

CODE

```c
#include<stdio.h>

int main(){
    int sypmtom;

    printf("1.Laptop\n2.Smartphone\n3.Router\n Enter your device type: ");
    int devicetype;
    scanf("%d",&devicetype);

    switch (devicetype){
        case 1:
            printf("\nFor Laptop, Following are possible problems:\n10for Wont turn on.\n11 for Overheating\n12 for Slow performance.\n");

            scanf("%d",&sypmtom);

            switch (sypmtom){
                case 10:
                    printf("Check power adapter and battery connections. \nTry a different power outlet. \nRemove battery and hold power button for 30 seconds.\n");
                    break;
                case 11:
                    printf("Clean fans and ensure proper ventilation. \nCheck for dust accumulation. \nUse a cooling pad. \nMonitor CPU usage.\n");
                    break;
                case 12:
                    printf("Run system diagnostics and check resource usage. \nScan for malware. \nUpgrade RAM if necessary. \nDefragment hard drive.\n");
                    break;
                default:
                    printf("Please Enter a valid number");
                    break;
            }
            break;
        case 2:
            printf("\nFor SmartPhone, Following are possible problems:\n20for Battery drains fast.\n21 for No signal\n22 for Touchscreen unreponsive.\n");
```

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```
            switch (sypmtom){
                case 20:
                    printf("Run battery calibration tool and check for background apps. \nReduce screen
brightness. \nDisable unnecessary connectivity\n");
                    break;
                case 21:
                    printf("Check SIM card and network settings. \nToggle airplane mode. \nUpdate carrier
settings. \nCheck for network outages.\n");
                    break;
                case 22:
                    printf("Perform screen calibration test. \nClean screen surface. \nRestart device.
\nCheck for software updates.\n");
                    break;
                default:
                    printf("Please Enter a valid number");
                    break;
            }
            break;
        case 3:
            printf("\nFor SmartPhone, Following are possible problems:\n30 for No internet check\n31 for
Weak Signal\n32 Device can't connect \n");

            switch (sypmtom){
                case 30:
                    printf("Check ISP status and router cables. \nRestart modem and router. \nCheck WAN
connection settings. \nVerify internet subscription.\n");
                    break;
                case 31:
                    printf("Reposition router and check antenna connections. \nReduce interference from
other devices. \nChange Wi-Fi channel. \nConsider range \n");
                    break;
                case 32:
                    printf("Check MAC filtering and DHCP settings. \nVerify Wi-Fi password. \nRestart
connecting device. \nCheck for IP\n");
                    break;
                default:
                    printf("Please Enter a valid number");
                    break;
            }
            break;
        default:
            printf("Enter a valid device code.");
            break;
```

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```
    }
}
```