Question #1:

```c
// Question # 1
#include <stdio.h>
int main(){
    short employee_ID;
    float hours, total_pay;
    int ammount_per_hour;
    printf("Enter Employee ID: ");
    scanf("%hd",&employee_ID);
    printf("Enter Total worked hours: ");
    scanf("%f",&hours);
    printf("Enter Ammount recieved per Hour: ");
    scanf("%d",&ammount_per_hour);
    total_pay = hours * ammount_per_hour;
    printf("Employee with ID %hd worked for %.2f hours, Total Pay is: %.2f", employee_ID,hours,ammount_per_hour*hours);
    return 0;
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
PS C:\Coding (VScode)\Codes\University_Related\C_Code_Lab_Work\Lab_Work> cd "c:\Coding (VScode)\Codes\University_Related\C_Code_Lab_Wor
b01 } ; if ($?) { .\Lab01 }
Enter Employee ID: 1001
Enter Total worked hours: 30.5
Enter Ammount recieved per Hour: 1030
Employee with ID 1001 worked for 30.50 hours, Total Pay is: 31415.00
```

Question #2:

```c
// Question #2
#include <stdio.h>
int main(){
    float heingt, width, area;
    printf("Enter Height of Rectangle: ");
    scanf("%f", &heingt);
    printf("Enter width of Rectangle: ");
    scanf("%f", &width);
    area = width*heingt;
    printf("Area of Rectangle is: %.2f", area);
    return 0;
}
```

CHAT   TERMINAL   Code - L

```
PS C:\Coding (VScode)\Codcd "c:\Codir
_Related\C_Code_Lab_Work\Lab_Work_(Cc
.c -o Lab01 } ; if ($?) { .\Lab01 }
Enter Height of Rectangle: 4
Enter width of Rectangle: 5
Area of Rectangle is: 20.00
PS C:\Coding (VScode)\Codes\Universit
ab_Work_(Code)>
```

Question #3:

```c
#include <stdio.h>
int main(){
    float height=0;
    printf("Enter Height: ");
    scanf("%f",&height);
    if (height<150) printf("Drawf");

    else if (height>=150 && height<165)
    {
        printf("Average");
    }

    else printf("Tall");

    return 0;
}
```

Terminal:

```
PS C:\Coding (VScode)\Code
Code)> cd "c:\Coding (VSco
b_Work_(Code)\" ; if ($?)

Enter Height: 178
Tall
PS C:\Coding (VScode)\Code
Code)>
```

Question #4:

```c
// // Question # 4

#include <stdio.h>

void DecimalToBinary(int n){
    if (n>1) DecimalToBinary(n/2);
    printf("%d", n%2);
}
int main(){
    int num=0;
    printf("Enter Number is Decimal: ");
    scanf("%d", &num);
    printf("Binary Equivalent is: ");
    if (num==0) printf("0");

    else DecimalToBinary(num);

    return 0;
}
```

Terminal:

```
PS C:\Coding (VScode)\Codes
_(Code)> cd "c:\Coding (VSco
k\Lab_Work_(Code)\" ; if ($
b01 }

Enter Number is Decimal: 8
Binary Equivalent is: 1000
PS C:\Coding (VScode)\Codes
_(Code)>
```

Question #5:

```c
// Question #5
#include <stdio.h>
void fibo(int a, int b, int n) {
    if (n == 0) return;
    printf("%d ", a);
    fibo(b, a + b, n-1);
}

int main() {
    int terms = 0;
    printf("Enter Number of Terms: ");
    scanf("%d", &terms);
    fibo(0, 1, terms);
    return 0;
}
```