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PROGRAM: BS COMPUTER SCIENCE

LAB_TASK# 07

Q1:

<pre>#include <iostream> using namespace std; /* MAQSOOD AHMED - 38186 */ int main() { int yearOfService, price, disPrice; cout<<"Enter the Purchased price: "; cin>>price; if(!(price >= 1000)){ cout<<"You doesn't got any discount!\n"; } else{ disPrice = price - (price * 0.05); cout<<"Your price was Rs. "<<price<<" And you got 5% discount and your price is Rs." <<disPrice<<endl; } }</pre>	<pre>/tmp/9t6SQNG3qz.o Enter the Purchased price: 5000 Your price was Rs. 5000 And you got 5% discount and your price is Rs.4750</pre>
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Q2:

```
#include <iostream>
using namespace std;

/*
    | MAQSOOD AHMED - 38186
*/

int main()
{
    int salary, yearOfService, netBonus;
    cout<<"Enter your salary: ";
    cin>>salary;
    cout<<"Enter the year of service: ";
    cin>>yearOfService;
    if(! (yearOfService >= 5))
    {
        cout<<"Your Salary doesn't increased coz your service in this company is below five years!\n";
    }
    else
    {
        salary += (salary * 0.05);
        cout<<"Your salary has been increased by 5 percent is your current salary is Rs. "
            <<salary<<endl;
    }
    return 0;
}
```

```
/tmp/Snvqv14koG.o
Enter your salary: 15000
Enter the year of service: 6
Your salary has been increased by 5 percent is your current salary is Rs. 15750
```

Q3:

```
#include <iostream>
using namespace std;

/*
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*/

int main()
{
    int percent;
    char grade;
    cout<<"Enter your percentage you've got in your exams: ";
    cin>>percent;

    if (percent <=25)
        grade = 'F';
    else if(percent <=45)
        grade = 'E';
    else if(percent <=50)
        grade = 'D';
    else if(percent < 60)
        grade = 'C';
    else if(percent < 80)
        grade = 'B';
    else if(percent <=100)
        grade = 'A';
    else
        cout<<"Enter valid percentage!\n";

    cout<<"Your grade is "<<grade<<endl;
}
```

```
/tmp/9t65QNG3qz.o
Enter your percentage you've got in your exams: 78
Your grade is B
```

Q4:

<pre> 1 #include <iostream> 2 using namespace std; 3 4 /* 5 MAQSOOD AHMED - 38186 6 */ 7 8 int main() 9 { 10 int num1, num2; 11 cout<<"Enter the value of num1: "; 12 cin>>num1; 13 cout<<"Enter the value of num2: "; 14 cin>>num2; 15 cout<<"Input: "<<num1<<"\tOutput: "<<num1<<endl; 16 cout<<"Input: "<<num2<<"\tOutput: "<<num2<<endl; 17 18 }</pre>	<pre> /tmp/9t65QNG3qz.o Enter the value of num1: 15 Enter the value of num2: 123 Input: 15 Output: 15 Input: 123 Output: 123 </pre>
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Q5:

<pre> #include <iostream> using namespace std; /* MAQSOOD AHMED - 38186 */ int main() { char ch; cout<<"Enter a character: "; cin>>ch; if(ch >= 'a' && ch >= 'z'){ cout<<"You've entered an Uppercase Alphabet & that is: "<<ch<<endl; } else if(ch >= 'a' && ch <= 'z') { cout<<"You've entered an Lowercase Alphabet & that is: "<<ch<<endl; } else{ cout<<"You don't have entered an Alphabet and that is: "<<ch<<endl; } }</pre>	<pre> /tmp/9t65QNG3qz.o Enter a character: a You've entered an Lowercase Alphabet & that is: a </pre>
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THE END