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PROGRAM: BS COMPUTER SCIENCE

LAB_TASK# 07

Q1:

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

/*
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*/

int main()
{
    int cost, price, unit = 100;
    cout<<"Enter the Qty of Units you want to buy?: ";
    cin>>cost;
    price = cost * unit;
    if(!(price >= 1000))
    {
        cout<<"You've to pay full price! and your price is: RS. "<<price<<endl;
    }
    else
    {
        price = price - 100;
        cout<<"You've been discounted by 10 percent and your price is: RS. "<<price<<endl;
    }
    return 0;
}
```

/tmp/f3rEwRpbzY.o
Enter the Qty of Units you want to buy?: 12
You've been discounted by 10 percent and your price is: RS. 1100

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/SnvqvI4koG.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;

/*      MAQSOOD AHMED - 38186
*/

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 <=65)
        grade = 'D';
    else if(percent < 80)
        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;
    return 0;
}
```

/tmp/SnvqvI4koG.o
Enter your percentage you've got in your exams: 78
Your grade is B

Q4:

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

/*
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*/

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;
    }
}
```

```
/tmp/9t65QNG3qz.o
Enter a character: a
You've entered an Lowercase Alphabet & that is: a
```

Q5:

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

/*
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*/

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;
    }
}
```

```
/tmp/9t65QNG3qz.o
Enter a character: a
You've entered an Lowercase Alphabet & that is: a
```

THE END