

(1)  
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Question - 01 :-

Part :- (a) :-

Code :-

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    double a;
```

```
    cout << "Enter an integer:";
```

```
    cin >> a;
```

```
    cout << "In square of integer is:" << a*a;
```

~~~~~

Question = A(01)

Part = (b).

Code:-

```

#include <stdio.h>
void main()
int i, j, rows, columns;
printf("Enter number of rows and columns:");
scanf("%d %d", &rows, &columns);
int a[rows][columns], b[rows][columns], c[rows][columns];
printf("Enter first matrix: \n");
for(i=0; i<rows; i++)
for(j=0; j<columns; j++)
scanf("%d", &a[i][j]);
printf("Enter second matrix: \n");
for(i=0; i<rows; i++)
for(j=0; j<columns; j++)
scanf("%d", &b[i][j]);
printf("Enter third matrix: \n");
for(i=0; i<rows; i++)
for(j=0; j<columns; j++)
scanf("%d", &c[i][j]);
printf("\n Sum of matrices: \n");
for(i=0; i<rows; i++)
{for(j=0; j<columns; j++)
printf("%d", a[i][j]+b[i][j]+c[i][j]);
printf("\n");
}

```

Question = 2 :-

Part :- (a) :-

Code :-

```
#include <iostream>
```

```
using namespace std;
```

```
int main ()
```

```
{
```

```
for (int a = -5; a < 5; a++)
```

```
{
```

```
cout << 2 * a * a - 3 * a << " , " ;
```

```
}
```

```
}
```

Question = 4 :-

Part :- (b) :-

Output :-

9

4

1

0

-1

-1

0

1

2

3

4

Question = 03

Code :-

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
int a;
```

```
cout << "Enter a positive integer:";
```

```
cin >> a;
```

```
if (a >= 0)
```

```
{
```

```
cout << a << " = ";
```

```
for (int i = a; i > 0; i--)
```

```
{
```

```
cout << i << " , ";
```

```
}
```

```
}
```

```
else {
```

```
cout << "\n The integer is not positive";
```

```
}
```

```
}
```

~~~~~

(5):

Question = 02

Part :- (b).

Code :-

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    double a, b, c, d = 0;
```

```
    for (int j = 0; j < 10; j++) {
```

```
        cout << "Enter 10 integers: ";
```

```
        cin >> a;
```

```
        b = a * a;
```

```
    }
```

```
    for (int i = 0; i < 10; i++) {
```

```
        c = b + b;
```

```
    }
```

```
    for (int q = 0; q < 10; q++) {
```

```
        d = c;
```

```
    }
```

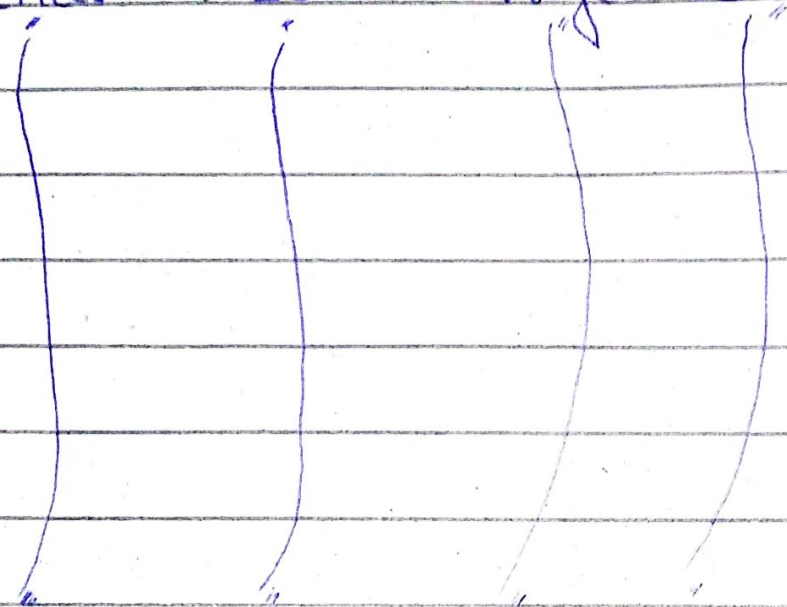
```
    cout << "The sum of all the squares  
of 10 integers is: " << d;
```

```
}
```

# Output:-

Enter 10 integers: 2

Enter 10 integers: 2



Enter 10 integers: 2

The sum of all the squares of 10 integers is: 8

Process exited after 5.122 seconds with return value 0

Press any key to continue . . .



Question = 4 :-

Part :- (a) :-

Code :-

```
#include <iostream>
#include <math.h>
using namespace std;
int main() {
    int n;
    while (n >= 0) {
        cout << n * n << "\n";
        --n;
    }
    cout << n << "\n";
    while (n < 4) {
        cout << n++ << "\n";
        cout << n << "\n";
    }
    while (n >= 0) {
        cout << n << "\n";
    }
}
```