ASSIGNMENT

1. Write a function to reverse the array elements.

2. Write a function to calculate maximum and minimum of the array elements.

1. int main(void)

```
{
        int a = 10;
        int *ptr = &a;
        printf(" %d %d ", a,++*ptr);
        printf(" %d %d ", a,*ptr++);
        return 0;
}
```

A. 11 11 11 11

B. 11 11 12 12

C. Compile time error

D. Run time error

Answer: A

2. #include<stdio.h>

```
int print_size(int a[])
{
        printf("%d,  %d,  ", sizeof(a) , sizeof( a[3] ) );
        return 0;
}


int main(void)
{
        int a[] = {1,2,3};
        printf("%d,  %d,  ",sizeof(a) , sizeof( a[-1] ) );
        print_size(a);
}
```

A. compile time error

B. 12 , 4 , 12 , 4

C. 12 , 4 , 4 , 4

D. 12 , 2 , 12 , 8

Answer: C

3. #include<stdio.h>

```
int main( void )
{
        int a = 4;
        int * ptr = &a;
        *ptr = update(a);
        printf("a = %d ptr = %d ", a,--*ptr);
        printf("a = %d ptr = %d ", a,++*ptr);
        printf("a = %d ptr = %d ", a,--*ptr);
        return 0;
}

int update(int a)
{
        int value=(a+a*a+a);
        return value;
}
```

A. a = 23 ptr = 23 a=24 ptr =24 a=23   ptr =23

B. a = 63 ptr = 63 a = 64 ptr = 64 a = 63 ptr = 63

C. a = 24 ptr = 24 a = 25 ptr = 25 a = 24 ptr = 24

D. a = 64 ptr = 64 a = 65 ptr = 65 a = 64 ptr = 64

E. Compile time error

Answer: A

4. #include<stdio.h>

```
int main(void)
{
        char s[]={'a','b','c','\n','c','\0'};
        char *p,*str,*str1;
        p=&s[3];
        str=p;
        str1=s;
        printf("%d",++*p + ++*str1-32);
        return 0;
}
```

A. 77

B. 88

C. 76

D. 75

Answer: A

5. #include<stdio.h>

```
int main(void)
{
        char a[100];
        a[0]='a';a[1]='b';a[2]='c';a[4]='d';
        abc(a);
        return 0;
}
abc(char a[])
{
        a++; printf("%c",*a);
        a++; printf("%c",*a);
}
```

A. ac

B. bc

C. cc

D. cd

Answer: B